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BJ ...the world's leading manufacturer of dies and inserts, makes the finest hand slips too!

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No wonder Byron Jackson makes the finest hand slips. BJ makes the dies and inserts that provide the "teeth" in 95% of the slip elevators, spiders and power slips in use throughout the world. BJ is also the world's leading manufacturer of tong dies.

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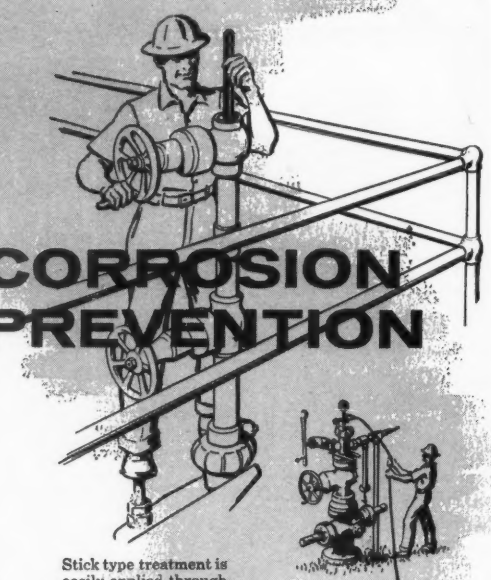
WATCH BJ FOR THE NEWEST

Facts ON Visco® CORROSION PREVENTION



Here are facts on Visco Corrosion Inhibitor costs in a wide variety of producing oil and gas wells — probably some near you . . . or with corrosion problems like yours. At every well, Visco treatment is only a small fraction of the cost of corrosion damage in untreated wells.

WELL TYPE	WELL LOCATION	DAILY PRODUCTION Oil bbls	Water bbls	Gas MCF	Frequency of Visco Treatment	Cost of Visco Treatment per bbl of produced fluid
Pumping	East Texas	40	300	—	3 times a week	.0013¢
Pumping	Eastern Kansas	2	492	—	Once a week	.0003¢
Flowing	West Texas	20	6.3	—	Twice a week	.0022¢
Pumping	Northern Kansas	10	70	—	Once a day	.0062¢
Gas Lift	West Texas	20	20	—	Once a day	.028¢
Pumping	North Texas	—	2000	—	Once a day	.0016¢
Pumping	Eastern Kansas	—	250	—	Twice a week	.0011¢
Flowing	East Texas	51	155	1	Once a day	.0028¢
Flowing	West Texas	420	—	—	Twice a week	.0013¢
Gas	East Texas	25	Trace	22.9	Twice a week	.0466*
Pumping	West Texas	420	210	—	Every other day	.0014¢
Pumping	West Texas	441	441	—	Every other day	.00052¢
Gas	Northern La.	—	—	23.4	Once a day	.0242¢*
Pumping	Eastern Kansas	—	250	—	Once a day	.0015¢
Pumping	Kansas	100	948	—	Twice a week	.0013¢
Gas	Louisiana	9.2	Trace	300	2 Sticks every other day	.0066¢*
Pumping	East Texas	46	176	0.92	Once a day	.0027¢
Pumping	East Texas	51	155	1.0	Once a day	.0028¢
Pumping	East Texas	20	400	—	Three times a week	.0012¢
Pumping	Eastern Kansas	2.5	276	—	Once a week	.0009¢

*Cost in cents per million cubic feet.

Stick type treatment is easily applied through simple fitting added to well head.

Some producers mount a pump and tank of inhibitor on a small truck, make a regular circuit of leases to pump inhibitor into their wells.

For fast action on a sound, money-saving approach to your downhole corrosion problems, call Houston, JAckson 8-2495, or contact your Visco Field Service Man.

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October 15th, 1957

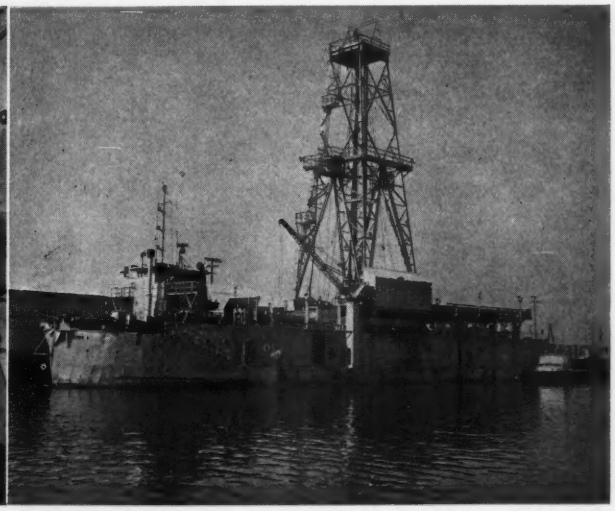
CUSS GROUP DEVELOPS NEW PROCEDURE FOR OFFSHORE DRILLING

A revolutionary new procedure for drilling oil wells offshore in water depths up to 1000 feet or more with virtually the same ease and cost of drilling on land has been developed and patented by the CUSS Group, consisting of Continental Oil Co., Union Oil Co., Shell Oil Co., and The Superior Oil Co., it was announced on October 2nd.

The system, for which U.S. patents were issued recently, has world-wide application in opening up vast new underwater areas for developing oil and other mineral resources locked far beneath the ocean's surface.

The CUSS Group, with Union Oil as operator, has already used the patented techniques successfully to drill over 300,000 feet of hole, some many miles off the California coast in water depths long believed impossible to explore. Holes have been drilled in water depths up to 1500 feet even though the comparatively small vessel containing the equipment rose, fell and swung about under the impact of high waves and strong ocean currents. In recent months an average of 450 feet a day have been drilled under such conditions.

Basically, the system involves forming a base of operations at the bottom of the ocean connected to the ship floating on the surface by flexible guide cables. The operating base and the vessel may be separated by hundreds of feet of water. A drilling bit is suspended from the vessel by a number of lengths of drill pipe, and this bit is guided by the cables to drill into the ocean bottom at the desired point. The



On left main deck level on CUSS I showing center well (covered with grating), the base assembly (center) with projecting cones, and traveling circulating system (right) with cones which slip over those of the base assembly to lock the units together at bottom of the ocean. On right revolutionary "seagoing oil drilling rig" is the CUSS I which enables oil seekers to drill in water depths of 1000 feet or more with virtually the same ease and cost as drilling on land, and open up vast new underwater areas for exploration. Patents on the technique have been issued to the CUSS Group, consisting of the Continental, Union, Shell and Superior oil companies. "CUSS I," a fully unitized drilling barge, is a converted YFNB freight barge of 1479 gross tons. Dimensions are: Length, 260 feeet; Beam, 48 feet; Rig, National 80B drawworks with two National G700 pumps: Derrick, 95 feet high; weight, 500,000 pounds; Engines, four 600 HP Cummings diesels; Anchors, six 7500 pound lightweight with 1½ inch chain; Draft, light, 5 feet 10 inches, loaded 10 feet 5 inches.

pipe string extending from the vessell is sufficiently flexible to permit lateral motion of the boat due to ocean currents and waves. Guide cables are used to communicate with the hole for purposes of reentry and to change bits.

An interesting feature of the system is the provision of an apparatus on the bottom of the ocean to permit continued circulation of drilling mud. In effect, this invention makes possible ocean bottom drilling in the same manner and with almost the same ease as dry land drilling.

"Significance of these patents is tremendous," says Robert Bauer, Manager of Operations for CUSS. "They enable the industry to tap vast new potential oil fields beneath both coastal and deep-sea waters. A new frontier of mineral exploration and development is opened. The patents will also lead to many new jobs in the shipbuilding, contracting and petroleum industries, and yield wealth directly to the state and nation in royalties and taxes."

Principal points of the patented system, as outlined by the companies, are:

(1) It is a conventional heavy drilling rig unitized and rigged up in a "seagoing package," highly mobile and allowing immediate drilling with no rig-up time;

(2) There is no definable limit to water depth for drilling operations;

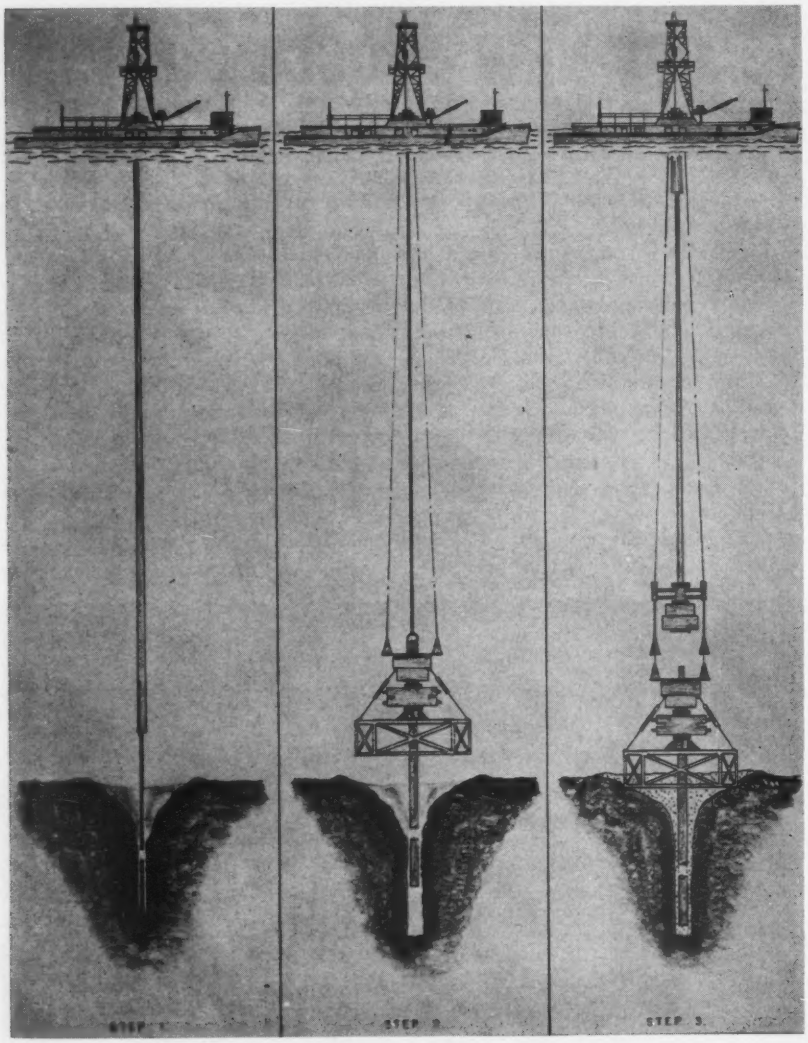
(3) It represents an immense saving in offshore exploratory drilling as there is no expensive platform construction and removal cost;

(4) Conventional blowout prevention equipment and well testing procedures may be used.

"In other words," says Bauer, "this unitized barge can probably accomplish an exploratory drilling job cheaper and faster than by conventional onshore methods if the location is on or near navigable waters. Moving time from one exploratory hole to the next is generally less than a day.

"The new technique enables drilling operations to be carried on in water far deeper than ever thought possible even a year ago."

In 1953 the four companies, with Union Oil as operator, started an exploratory drilling program off the coast of California. The technique of drilling from a floating vessel, embodying the features of hole reentry, mud circulation, and the use of blowout preventers was successfully used by the group in early 1954. As a result of a multi-million dollar engineering research program in this field, a large new drilling barge was commissioned in 1956. Basic patents and a number of pending applications cover the entire process developed by the CUSS Group.



Here's how the CUSS Group drills for oil in ocean water depths of 1000 feet or more with virtually the same ease as drilling on land.
Left—surface casing hanging from barge with bit on pipe drilling the original hole on ocean bottom, using salt water as a circulating medium.
Center—lowering into place the surface casing upon which has been flanged the casing head and two conventional blowout preventers. On top of the assembly are two guide cones and guide cables extending to the barge. These guide cables will later be used for re-entry into the hole of drilling bits and other tools.
Right—surface pipe and wellhead equipment cemented into place in conventional manner, and packoff assembly being lowered into place over the guide cones preparatory to running the drill bit and drilling ahead.

Phillips Petroleum Assigns Mill Contract

Phillips Petroleum Corporation has awarded contract to Western-Knapp Engineering Company of San Francisco for the building of a new 1725-ton-daily uranium mill in the Ambrosia Lake area, McKinley County, New Mexico. Site of the mill will be about 24 miles north of Grants and the scene of development of considerably more than 4,000,000 tons of uranium ore by Phillips. Exploration of the vital element is still continuing and meeting with success.

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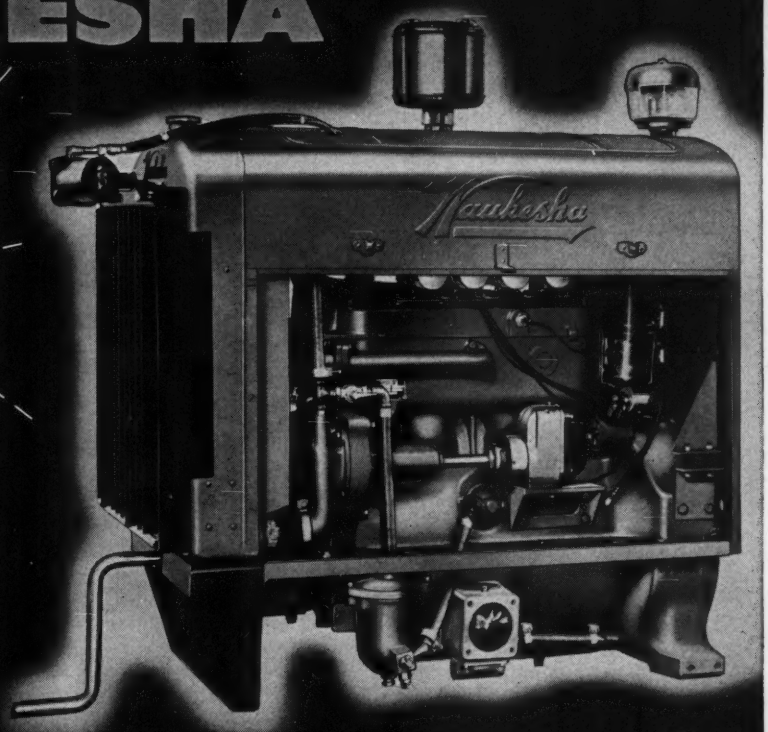

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Just give these *Long-Life* units a regular and uninterrupted fuel supply, and you'll make considerable savings—in pumping and compressor service for oil and gas pipe line feeder operation, and similar uses.

Basically these *Long-Life* power units have the standard gas engines—long famous for being rugged and reliable—that have made Waukesha the world's finest oil field power.

On these basic engines Waukesha assembles the many *Long-Life* design-specials including specially lubricated clutches; automatic oil levelizers; low tension magnetos, with individual coil, low wear spark plugs; special fan belts, and water stabilizing filters; water condensers, and automatic radiator shutters. You'll want details on all *Long-Life* features.

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FCU	4-Ir	3¼ x 4	133		7	9	11	13	14
XAHU	4-Ir	3⅜ x 4½	186		10	14	17	20	21
190-GLBU	6-A	3¾ x 4	265	CONTINUOUS DUTY ratings shown are 65% of maximum hp available at indicated speeds →	19	23	27	31	32
195-GKU	6-A	4⅛ x 4	320		20	25	31	36	38
135-GKU	6-A	4¼ x 5	426		28	34	41	47	50
140-GZU	6-A	4⅝ x 5½	554		42	52	62	71	.....
145-GZU	6-A	5⅜ x 6	817		62	77	90	103	.....
WAKU	6-A	6¼ x 6½	1197		84	114	124	.....	.....

*Features: 4, 6—No. Cylinders; A—Aluminum Pistons; Ir—Cast Iron Pistons

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Petroleum LORE and LINGO

By Richard Sneddon

The Fossil Hunters

The paleontologist, or more properly micropaleontologist, takes his title from the Greek palaois, "ancient," mikros, "small", and again logos, "the science of." He identifies the ancient sedimentary layers by the presence or absence of the fossil remains of minute marine organisms, termed foraminifera. His conclusions may be drawn from the mere presence of a specific type; from the relative proportion of a number of types that are present; or from the abundance of one or more particular types. Many of these are so small as to be identifiable only upon considerable magnification, hence the "micro" part of this finder's name. A fossil, it might be interesting to learn is "something that has been dug up," from the Latin fossio, "a digging." It normally applies not only to the skeletal remains of ancient plants and animals (flora and fauna, if you wish to be ritzy), but also to their imprints wherever they may be found. Since age is purely relative you may have noticed that any person who is more than 10 years older than a second person, is automatically accepted by said second person as "an old fossil."

Microscopic Examination

The foraminifera that I have been privileged to view in sundry paleontological laboratories looked exactly like an assortment of perfectly formed little sea-shells. To the naked eye they were mere dots, but when enlarged under the mircoscope they presented an astonishing variety of really beautiful shapes and in addition exhibited a kind of rich opalescence that made them appear to be the daintiest of gems. They are called foramenifera, from the Latin **foramen,** "an aperture" or "opening," and **ferre,** "to bear." That is because they were once the homes of tiny organisms and if they be examined closely will be found to have a number of perforations, through which the tiny tenants projected their pseudopodia in order to kick themselves along from one place to another.

Bigness is Relative

Pseudopodia is just the scien-

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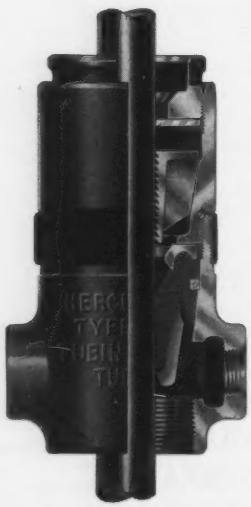
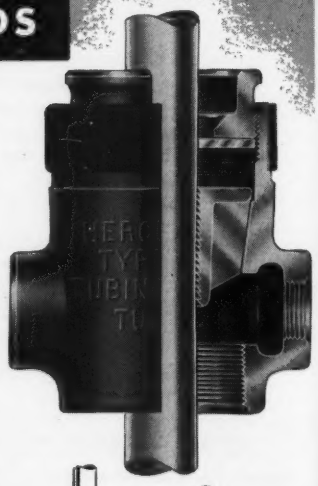
HERCULES TUBING HEADS



"TYPE J-5" TUBING HEAD

Ideal for flowing or pumping wells or for well servicing and repressuring projects. Will suspend 2" tubing to 5½" casing up to maximum of 180,000 pounds. Head is full-opening; constructed of pressure cast steel tested to over 4,000 psi. HERCULES original overhead packing arrangement and hinged slips facilitate installation and servicing. HERCULES Neoprene Tubing Stripper (2"-2½"-3") may be used in this head on wells flowing intermittently or to wipe tubing. Equipped with safety threads.



"TYPE J-5-S" STRIPPER TUBING HEAD

The dual purpose "Type J-5-S" Stripper Tubing Head is basically a "Type J-5" Tubing Head with a bowl (top section) screwed into the packing nut thread. The hinged slips, packing and packing nut are installed in the bowl (top section) with the tubing stripper in the body (lower section), thus permitting tubing to be run-in or removed under pressure. Test pressure is the same as the "Type J-5" Tubing Head.

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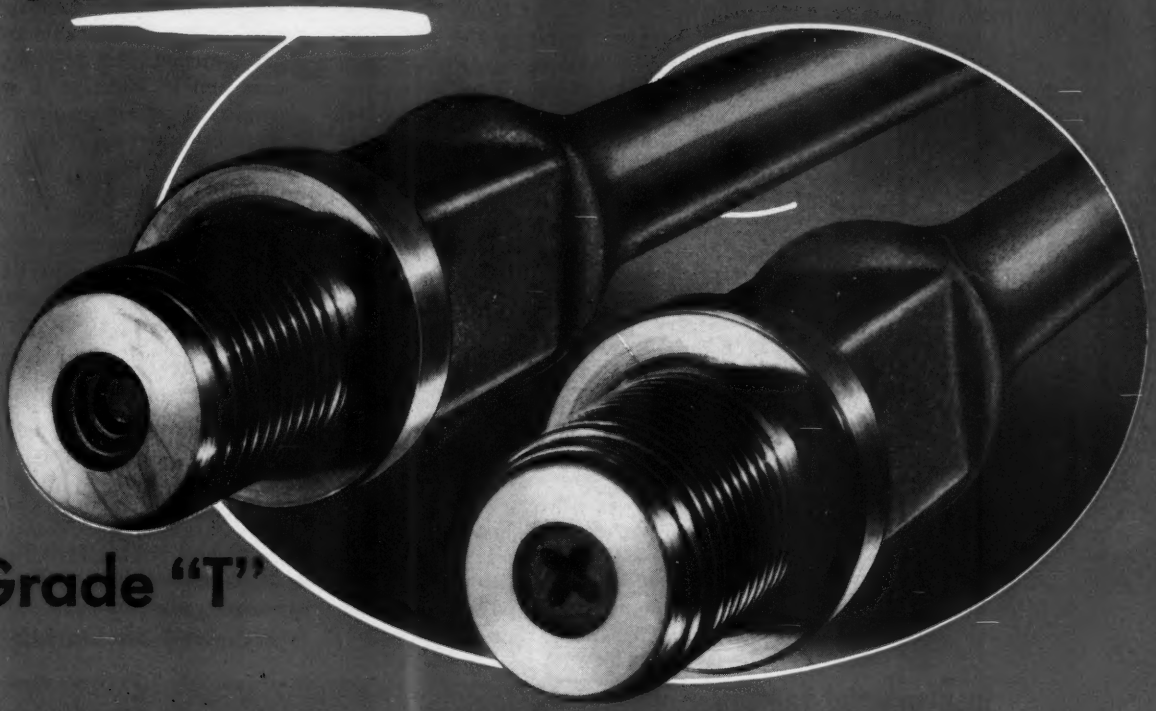

Grade "T"

or Grade "W"

A MAJOR CAUSE of sucker rod failure in hydrogen sulfide (sour corrosion) wells is the embrittlement of the rod caused by the corrosive environment. "Oilwell" metallurgists have uncovered or confirmed several principles that have guided us in designing "Oilwell" Sucker Rods "T" and "W." As a result, these rods have, for many years, given outstanding service in sour wells.

The three most important factors, confirmed by both laboratory experiments and field tests, in making Grades "T" and "W" rods so effective in combating embrittlement from sour corrosion are: (1) low carbon content, (2) the presence of adequate nickel, and (3) liquid quenching.

Grade "T" is a medium-strength rod designed for pumping to intermediate depths, and Grade "W" is a high-strength rod for use in deep wells.

Physical and chemical properties of these, as well as other grades of sucker rods, are detailed in "Oilwell's" Sucker Rod Comparison Chart. We will gladly supply a copy on request.

Try alternating, on the same string, the recommended "Oilwell" Sucker Rod with the rods you are now using. Prove to yourself how much you would save in rod replacement costs and in pulling time.

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tist's way of saying "fake feet" and comes from the Greek pseudes, "false," and podia, "footlike parts." In reality the small limbs have other important functions such as the picking up of still smaller animals for food. There is no end, it seems, to the fight for survival and it goes on everywhere. Which recalls an old jingle, originally compounded perhaps in slightly different form by Jonathan Swift about three hundred years ago:

"Big fleas have little fleas
Upon their backs to bite 'em
The little fleas have smaller fleas,
So on ad infinitum."

The Art of Segregation

These little conchitic (that's Latin for "shell-like") remnants of a bygone age belong to various families, each of which has its own peculiar shape and characteristics. The paleontologist extracts them from his earth samples, such as drill cuttings and cores by a well established process that ends with the definition and occasional separation microscopically of each species. That separation business, by the way, is done with the moistened tip of a fine camel-hair brush, and is enough to burn the eyes out of a salamander. I tried it once and fiddled around for 15 minutes in an attempt to spear one pretty little specimen, without ever getting the brush tip where I could recognize it in the microscopic field. The petroleum paleontologist identifies the underground formations mostly on the basis of their foraminiferal content but other forms of life have existed in particular geological time periods, and he may use the fossil remains of these, too, as a guide to the age of the rocks in which they are preserved.

The Lesser Organisms

Some of these have simple sounding names like the diatoms which hold about the same position in the plant kingdom as do the protozoa in the animal world. In other words, individually they are about as insignificant as any living thing could be but when they die in countless numbers and are compressed by subsequent sediments for a billion years or so, they become our diatomaceous earth. Consequently, besides possibly contributing of their substance to the genesis of petroleum these tiny plants do-note also to its refinement. Diatomaceous earth is used to filter out sundry undesirable components during the refining process and in addition is widely employed as an insulant.

A Few Specimens

Diatoms derive their name from the Greek **diatomas,** "cut in two", because their structures look as if they had been split into separate halves. Other more polysyllabic fossils with which the paleontologist may become concerned are the siliceous radiolaria and scolecodonts. The first are so called because their limbs radiate out from a central body like sun beams, and the Latin **radiolus** actually means just that, "a little sunbeam". The word "silicious" merely indicates that their frames are largely composed of silica, which is about the equivalent of common sand. The scolecodonts are merely the fossil jaws of ancient worms, from the Greek **scolex,** "a

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TELETYPEWRITER service sends written messages with phone-call speed. 2-way communication within a private network, or with thousands of TWX customers across the nation. You retain a **written** record.

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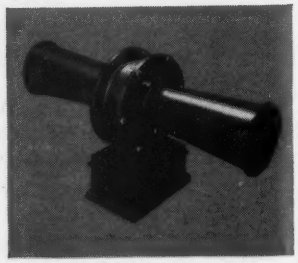

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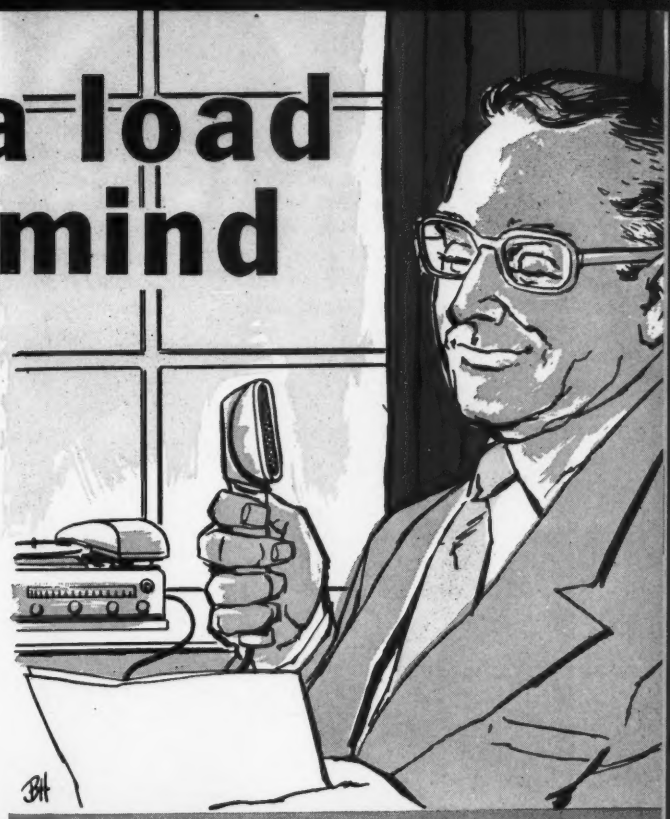

You're *sure,* when you specify GASO, of pumps that do what they're supposed to do — dependably, economically and for periods that extend far, far beyond accepted replacement intervals. You *know,* when you standardize on GASO Pumps, that you are following the lead of many of the world's best known, best managed pipe line operators. There's safety and assurance in such a choice. We're as close to you as our nearest distributor.

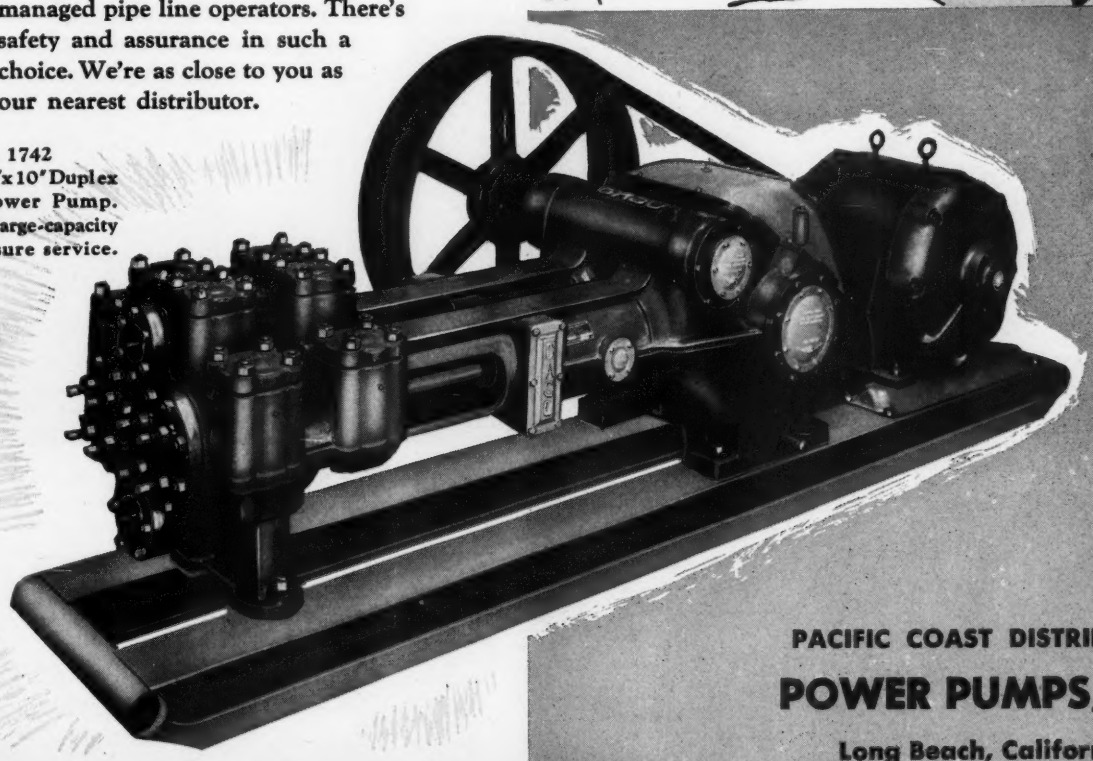

Fig. 1742
2½" to 5½" x 10" Duplex Piston Power Pump. Ideal for large-capacity high-pressure service.

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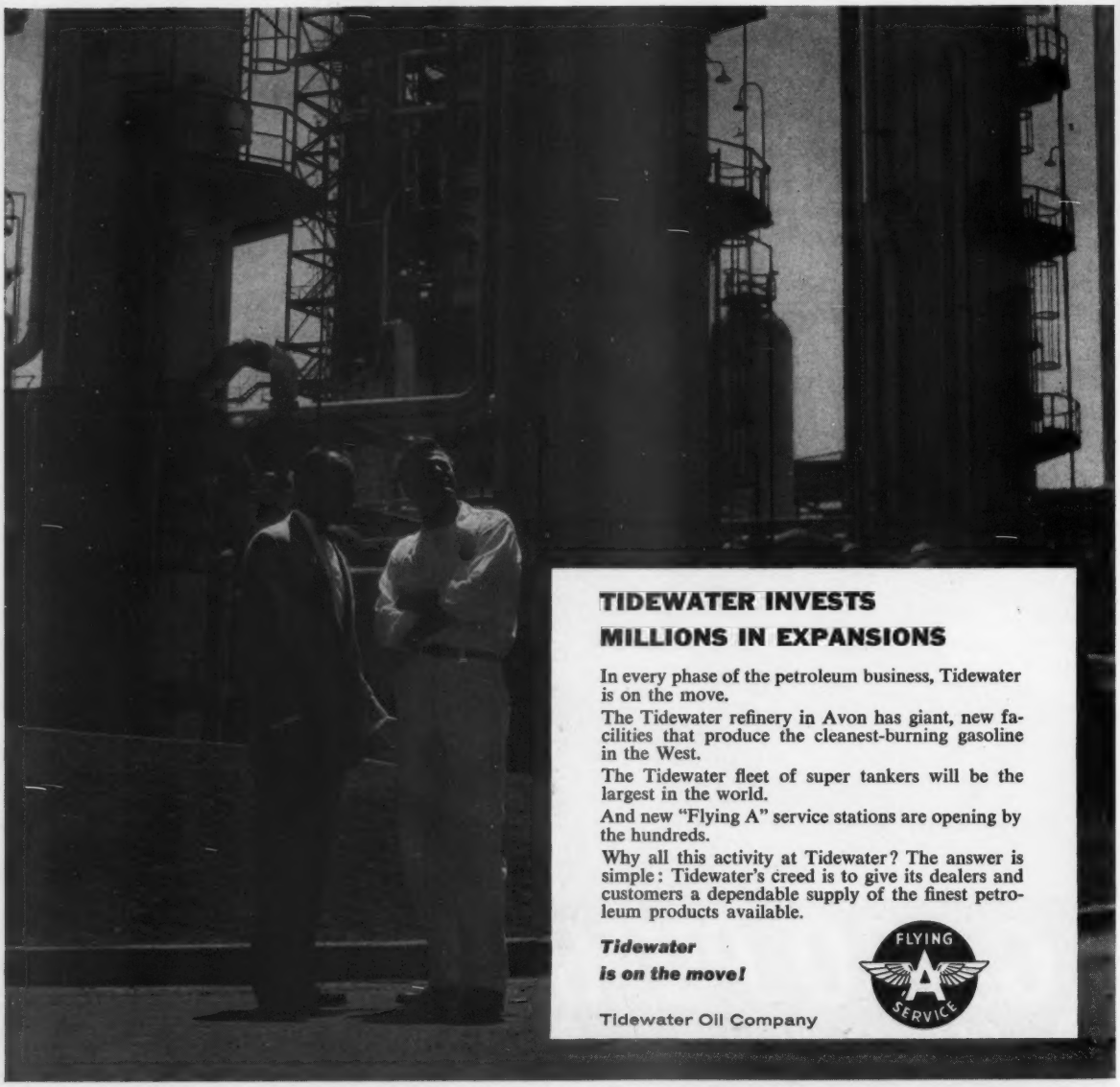
worm" and odontos, "a tooth".

The Foramen Families

As for the foramenifera themselves, they belong to an order, known as rhizopods, which comes from the Greek, rhiza, "root", and poda, "a foot". In other words, they are characterized by root or tendril-like projections. These, of course, are the phony feet which were mentioned a paragraph or two ago. In the main the different types have dandy names for a writer who is being paid by the syllable. Two of the better known ones, for example, are "globigerina" and "uvigerina." The former are spherical little guys, from the Latin globus, "a round body", and gerere, "to bear". The uvigerina have some resemblance to a bunch of grapes and their name comes from uva, "a cluster of grapes" and the same gerere. There are countless other members of the forameniferal family but this is probably enough to show that paleontology and polysyllabics are practically synonymous, and also that the long names of the tiny fossils have interesting derivations. In any case, the paleontologist avoids considerable wear and tear on his tonsils by speaking of "bugs" instead of foramenifera and actually it is not necessary to know the names of his pets. The important thing is to know his conclusions with respect to the age and character of the underground strata on which he is working, and to correlate these with the findings of the other exploration specialists.

Enter the Geophysicist

Next in the succession of terrestrial probers was the geophysicist, and it is doubtful if any other scientist in the oil finding group has done more to remove the element of chance from the finding process than he. No doubt he would deny this vehemently, not, mind you, because it isn't true but because of stuff called "ethics" by which the conduct of all geo-scientists is controlled tighter than the family jewels of the McMashies of Aberdeen. Of course, oil well drilling is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In every phase of the petroleum business, Tidewater is on the move.
The Tidewater refinery in Avon has giant, new facilities that produce the cleanest-burning gasoline in the West.
The Tidewater fleet of super tankers will be the largest in the world.
And new "Flying A" service stations are opening by the hundreds.
Why all this activity at Tidewater? The answer is simple: Tidewater's creed is to give its dealers and customers a dependable supply of the finest petroleum products available.
Tidewater
is on the move!
FLYING A SERVICE
Tidewater Oil Company

Bob Dalbeck

Where do you get the extra $100,000?

"Some critics of business still maintain that profits are too high.

"I wonder if they have any idea of how much more it costs to do business today than it used to? Union Oil is a typical example.

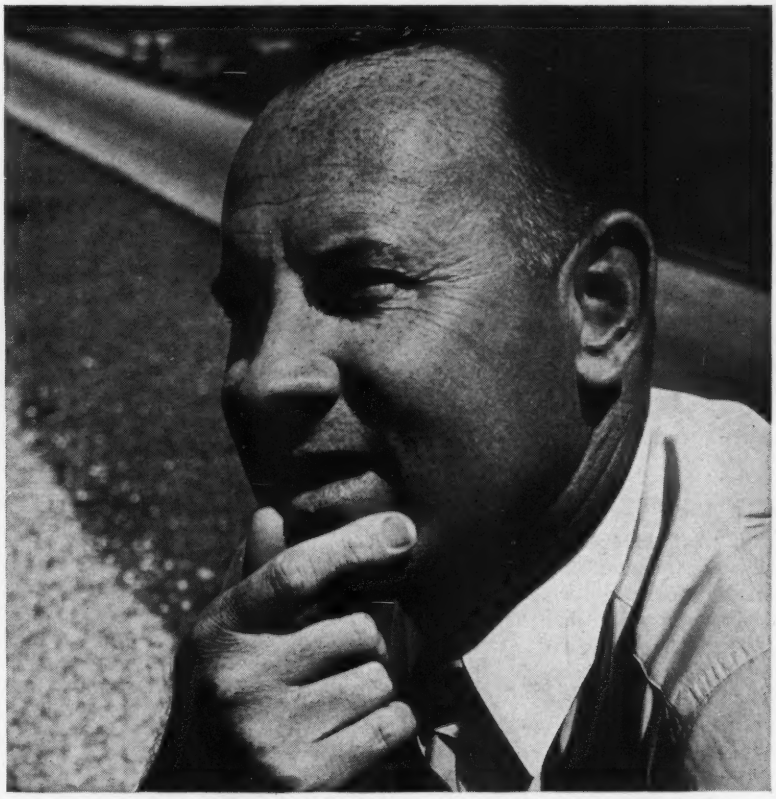
"In 1927, the company bought an 80,000 barrel storage tank for $25,000. Under Federal Income Tax laws, we were permitted to recover our investment over 30 years, the life of the tank.

"By 1957, when it's time to replace the tank, the company has set aside $25,000. But what has happened? Due mainly to inflation, higher wages and material costs, the tank now costs $125,000.

"Where do you get the extra $100,000? Union Oil gets it out of profits, and by increasing indebtedness from time to time. Out of profit? The fact is, we have to sell $1,250,000 worth of products to earn $100,000 after taxes.

"Put another way, the company's entire profit for one day, the total earnings that day on $400,000,000 invested by share owners, and the efforts of over 8,000 people—all went to replace one 80,000 barrel tank, of which we now have over 150.

"Without profits, Union Oil couldn't afford to replace that tank. And without the new tanks and other equipment we have to replace to stay in business, there'd be no jobs for any of us!"



BOB DALBECK: "WITHOUT PROFITS, YOU AND I WOULDN'T HAVE A JOB."

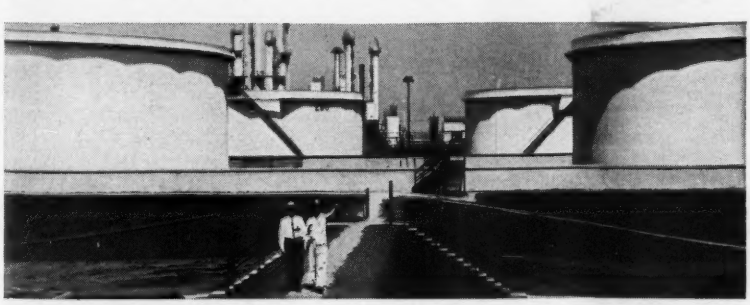
* * *

Bob Dalbeck is something of an authority on profits. He is an Assistant Comptroller for the company.

He estimates that only about 19 minutes in the average company's 8-hour working day go to earn a profit. The rest is spent paying for the cost of doing business.

And less than half of those 19 minutes result in dividends to share holders. The other 9½ minutes are reinvested in the business to keep it up to date and competitive.

YOUR COMMENTS ARE INVITED. *Write: The Chairman of the Board, Union Oil Co., Union Oil Bldg., Los Angeles 17, Calif.*



Union Oil Company OF CALIFORNIA

MANUFACTURERS OF ROYAL TRITON, THE AMAZING PURPLE MOTOR OIL

still a highly speculative business but geophysics has considerably reduced the odds against the operator. The word "physics" is from the Greek **physike** meaning "nature", and this resourceful species of exploration expert, the geophysicist, determines the nature of the formations and malformations underlying a given area by their reactions to a carefully directed series of shock waves. His instrument is the seismograph which derives its name from another Grecian combination, **seismos,** "earthquake", and **grapho,** "to write". He creates his own little earthquakes by exploding a gunpowder charge, or a number of them at favorable locations. Then he learns what he wants to know about the subsurface from the character of the energy waves that bounce back to earth from the various underground formations. These are recorded on sensitized paper and form the basis of subsequent deep and dark deliberation.

The Seismogram

A good example of the reflection phenomenon may be developed by driving an automobile across a bridge that has side rails. Without looking, it is almost possible to count the rails as each one sends some fraction of the sound wave created by the car bouncing back to your tympanum. The reflected waves in a geophysical survey, varying in intensity according to the density, solidity, and other properties of the successive subsurface rock layers, are caught by geophones, or earth stethoscopes if you like, and are translated into a visible pattern by the "graph" of the seismograph. The time it takes for the waves to travel back to the surface is also obviously an important element in the later translations. The art of interpreting the reflection pattern and the other related data in terms of underground structure is a complex procedure that reaches into advanced calculus and other elevated areas of mathematical exercise far beyond the meager understanding of this mental pigmy. Did you know, by the way, that calculus is an unchanged Latin noun, meaning "pebble"? According to one Noah Webster, the early Romans solved their arithmetical problems with pebbles somewhat as the Chinese do with beads. Hence our words "calculus" and "calculate".

Geoscientific History

Speaking of history, it is distinctly possible that Moses was our first geophysicist. The Good Book tells us that on at least one occasion "he smote the earth with his rod and the earth shook and trembled". He may not have been looking for oil, but unconsciously or otherwise he was certainly giving an impersonation of a later day searcher after black gold, or dark moolah, as it is sometimes known. When the three scientific oil finders so far described were still virtual babes-in-arms, they were quite jealous of each other. The result was that instead of attempting to coordinate their individual analyses, they were competitive rather than cooperative. That situation didn't last long, but long enough unfortunately to inspire this author to a piece of doggerel that perhaps should have been allowed to remain buried with all the other abortive efforts of an inept pen. Anyway, for better or worse, here it is:

The Exploration War

Grover Hergesheimer was a veteran geologist
Who scoffed at all the newer means of prospecting for oil
He wouldn't even learn to spell the word "paleontologist"
And geophysics were to him just prostituted toil.

He took his little hammer and he tapped with assiduity.
He shattered shales and sandstones with an ever probing spade,
Then gazed upon the fragments with a sort of fixed vacuity
And all the earth was scarred with excavations he had made.

It was interesting to watch him in his daily explorations,
For some essential outcrop everlastingly alert
Or peering through his tiny glass for worthwhile indications
At bit of gneiss and schist and sometimes even common dirt.

Now Grover once was searching for the Earlier Cretaceous
When he heard that some foramen hounds were working close at hand.
The knowledge drove him berserk and it made him so pugnacious
That he slammed his spade upon the ground and stamped to beat the band.

He shook the earth so mightily with these gesticulations
That nearby geophysicists were sorely at a loss
To explain their jolting seismograph and all the weird vibrations.
And so they took their seismogram and showed it to the boss.

They gathered 'round the chart and on its waves they long debated
But the outcome of their confab was a disappointing nil
The boss admitted frankly that the thing had him stalemated
But he gave the order anyway to stake a well and drill.

They set the rig up promptly and they drilled with ceaseless vigor.
And presently their efforts were rewarded with a well.
It flowed a hefty stream of oil that constantly grew bigger,
The biggest well, in fact, of which the driller had heard tell.

Although the credit for this find is given the seismologist,
You can't discount the helpful role the fossil hunters played.
It never could have happened had not Grover, the geologist,
Got mad at them and thumped old terra firma with his spade.

If such a find can come from unrelated exploration
It's certain that these ologists might do a greater good
By working all together in complete cooperation

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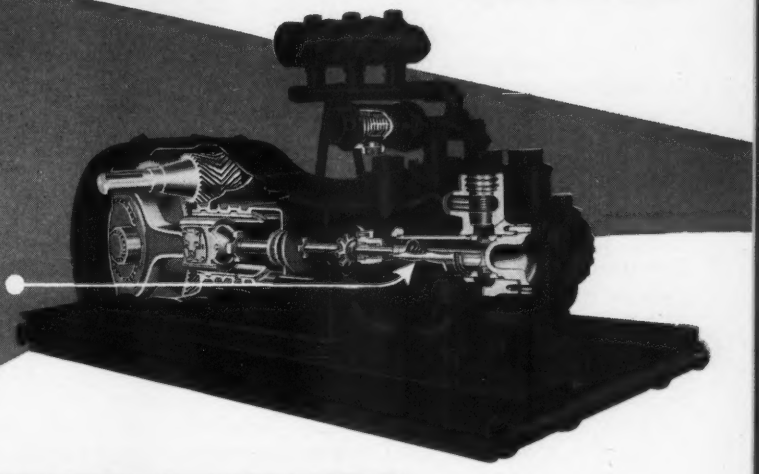

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Continental-Emsco Slush Pumps deliver more horsepower per pound than any other make. Lubrication is completely automatic. There are no adjustments to be made—no greasing to be done. Wide-faced, forged steel, heat-treated herringbone gears provide efficient speed reduction. These features are available in all 6 sizes of Continental-Emsco Slush Pumps.

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As this absurd experience well indicates they should.

The real lesson to be derived from the foregoing, is not the advantage of coordinated effort so much as the disadvantage of having to read the piffle that amateur poets turn out on the advantage of coordinated effort.

Usage and Abusage

Instances of the ingenious or artistic use of words, and the naive or unconscious misuse of them, are every bit as entertaining as word origins although not always as educational. I enjoy a neatly turned phrase almost as much as I do a neatly turned ankle—but not quite! What, for example, could be more delicate or more to be admired linguistically than the English humorist's description of his lady friend's stomach rumble as "a faint inner digestive cadenza"? And what could be more amusing than that much told tale of the gallant G.I. whose local editor, meaning to refer to him as a "battle scarred" veteran, made a mistake and came out with "battle scared" veteran? The G.I. made formal protest and received a front page apology in the next issue with the explanation that what the writer had really intended to say was "bottle scarred" veteran.

Technical Reporting

Frank Hill, former director of production for Union Oil Company of California, tells of a quite excusable verbal blooper that has become legend among the finding folk of the West. He was once obliged on short notice to prepare, for the Board of Directors, a resume of production activity over the preceding six months. His usual secretary who was familiar with all the technical jargon of the department was on vacation, so he called in the girl from the reception room out front. She was a competent steno but had not been exposed to the gobbledegook of the subsurface analysts. Speaking of a Belridge well, in the San Joaquin Valley, bottomed in the Temblor Zone, Frank dictated, "Perhaps the greatest disappointment that Union Oil Company has experienced in the past six months was the encroachment of edge water into the principal member of the Temblor." What came out in the typed copy was, "Perhaps the greatest disappointment that Union Oil Company has experienced in the past six months was the encroachment of water into the principal members on the tenth floor!"

The Golf Club Story

The following story (author unknown), having also for its theme befuddlement over words, this time of a slightly different character, has become popular with after-dinner speakers at petroleum industry whing dings: A Texas business man acquired a sizable piece of property and immediately thereafter called a geologist friend and asked him to look it over and see if it had any oil possibilities. After a thorough survey job, the latter told his client, "Jim, my lad, you're in! Just drill a hole here, and you are a cinch to get a producer!" A well was drilled and completed for 2000 barrels. The rig was moved to another site with the same result, and so on and so on until in no time at all the land owner was fabulously wealthy. One day he dropped into the office of the geologist and after preliminary greetings had been exchanged, remarked, "Look, laddie, this is a lovely thing you have done for me and I want to do something nice for you in return." "Oh, that isn't necessary," was the reply, "You paid me a good fee to do the survey and I am very well satisfied."

The Happy Ending

"That may be", continued the new mogul, "but I want to do something more — something special." "Can't you think of something you really want terrifically?" "By George, yes I can!" beamed the finding genius, "You know, for years I've been a golfer and I've never owned a decent set of clubs. You get me some good golf clubs and I'll be the happiest man in Texas." He didn't see his over-joyed client until about a year later when he ran into him on the street one day. They had barely shaken hands when the prospective benefactor said, "I hope you don't think I've forgotten my promise, but the fact is I've had quite a bit of trouble getting these golf clubs for you. However, it shouldn't take long now. I've just closed a deal for two dandies and I'm in the middle of negotiations for a third one with a swimming pool on it."

G.P. Core Vessel Return

General Petroleum Corporation's coring vessel, the M. V. Torry, is expected to return to Santa Monica Bay the first week in October for the third phase of the company's offshore exploration in that area, company officials announced recently.

Plans call for the drilling of one core hole, to be designated S. M. 4, about 500 feet from the company's first location in Santa Monica Bay. The first hole was abandoned short of its objectives because of mechanical difficulties.

The newest coring operation will be conducted under a permit granted by the State Lands Commission. The water depth at the proposed location is approximately 130 ft.

The purpose of this operation is to obtain cores, which are sections of earthen material obtained by a core drill which enables geologists to study underground formations. Coring is an entirely different and separate operation from drilling for oil.

Los Angeles Harbor Will Serve Big Tankers

The Los Angeles Harbor Commission has awarded the Pacific Dredging Company a $1,470,000 dredging contract that will result in a portion of new facilities for a terminal to accommodate the largest oil tankers currently in service. The dredging organization will dredge a channel 500 feet wide and 45 feet deep with a turning basin 1200 feet in diameter for the dock to be constructed at the end of San Pedro and Miner streets in the Los Angeles Harbor district. The commission earlier awarded a $639,117 contract for the building of dies at the pier site. A contract for putting up the 900-foot pier will be assigned later. Union Oil Company will have a preferential appointment on the dock when it is completed in January of 1959. Union will install pipe and pumping systems and a tank farm there.

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The reason for this is *proven performance*. Performance that has measured up under the most rugged conditions. Also, Chiksan and Weco's world-wide distribution assures prompt delivery when and where you want it.

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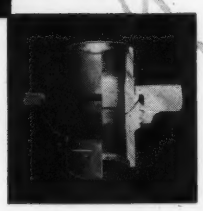

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Personalities IN THE NEWS

R. C. Baker, Pioneer Oil Man, Passes

R. C. Baker, 85, founder and Chairman of the Board of Directors of Baker Oil Tools, Inc., died September 29, 1957 in Whittier, California, after a brief illness. Interment was at Fresno, California, October 3, 1957.

The late R. C. Baker

A pioneer in California oil activities, Mr. Baker was a drilling contractor and oil operator in the San Joaquin Valley early in the century. The Baker Casing Shoe Company was founded in 1912 to manufacture and market oil tools of his invention, and subsequently became Baker Oil Tools, Inc., whose products are sold through more than sixty branches in the United States, and a subsidiary company and sales representatives throughout the world.

Mr. Baker is survived by a son, R. C. Baker, Jr., a daughter, Mrs. George M. Anderson, six grandchildren and eleven great-grandchildren.

Engineering Organization Changes Announced At Waukesha Motor Company

A number of Waukesha Motor Company Engineering Department personnel have been assigned new positions and responsibilities, it was announced by Company management officials. Appointed to the post of Chief Engineer was J. R. Merriam, formerly Assistant Chief Engineer, who will assume the duties of Mr. Lloyd Bower, recently retired. Mr. A. W. Pope will serve as Chief Research Engineer. Mr. E. R. Rutenber, formerly Chief Installation Engineer, and Mr. H. M. Wiles, formerly Assistant Chief Research Engineer, were named to the two posts of Assistant Chief Engineers. Mr. J. P. Kelly, formerly Chief Draftsman, is the new Chief Design Engineer.

As Chief Engineer, Mr. Merriam brings to his new position long experience with internal combustion engine design. He has been a member of the Waukesha Motor Company organization for over 35 years, starting in 1920 as a tool designer, and later transferring to the field of engine design. He has been concerned in the development of many of design features used in all modern internal combustion engines. He is an active member of various committees in the Society of Automotive Engineers and has also served on engineering development committees for other organizations, including the War Production Board.

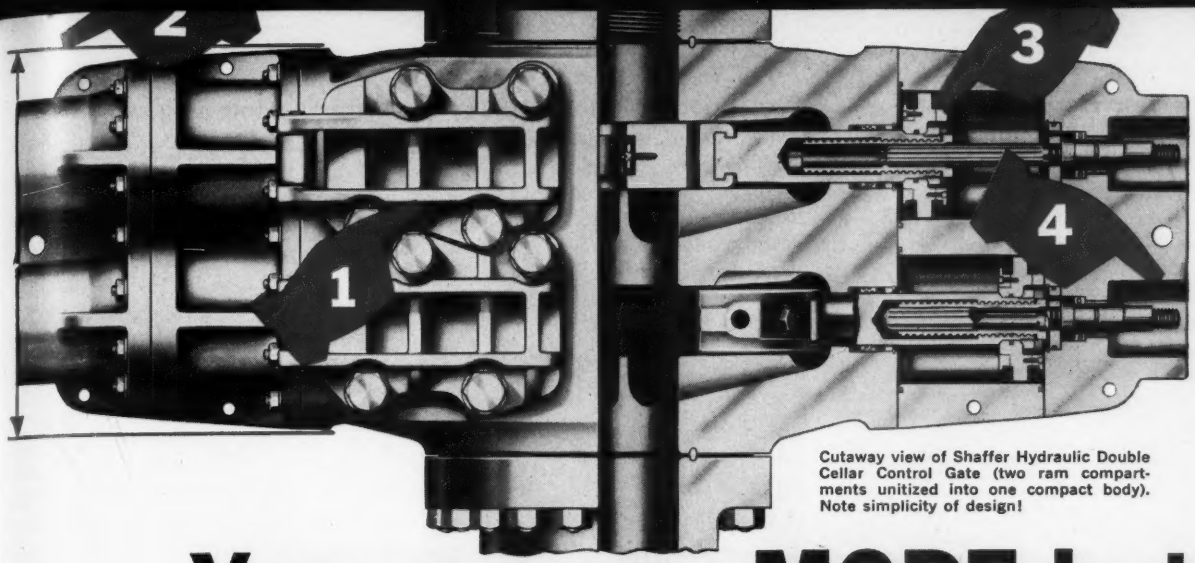
Mr. Pope, Chief Research Engineer, has worked with the Company for more than 30 years. He is a graduate of the Massachusetts Institute of Technology and is internationally known for his contributions to the development of methods and standards for rating the performance characteristics of internal combustion engine fuels. He will continue his pursuits in this field and in addition will direct development work on new type Diesel engines and gas turbine free-piston engines. He is a member of the Council of the Society of Automotive Engineers, an active member of SAE committees, and a member of other scientific organizations.

Mr. Rutenber and Mr. Wiles each have approximately 30 years' service at Waukesha, Rutenber joining the organization in 1927, and Wiles in 1928. Both are licensed Wisconsin Professional Engineers. After nine years in the company's experimental laboratories, Mr. Rutenber, a graduate of Marquette University, was made an installation engineer and later Chief Installation Engineer. Mr. Wiles started in development work on fuel rating engines. He is a graduate of Iowa State University. He was in charge of the experimental laboratories between 1936 and 1949, when he was appointed an installation engineer, and in 1956, Assistant Chief Research Engineer. In their new positions, Mr. Rutenber will be concerned chiefly with installation applications, and Mr. Wiles will direct the experimental laboratories.

Mr. Kelly has been with the Motor Company for 11 years. A graduate of Purdue University where he majored in aeronautics and internal combustion engine design, he has been Chief Draftsman since 1955. In his new capacity as Chief Design Engineer, he will be concerned with the Company's expanding engine development program.

Stark Fox, Oil Producers Agency of California executive vice president, has returned to Los Angeles from a business trip to Washington, D. C.

Frank R. Clark, 60, vice-president in charge of manufacturing of the Utah Oil Refining Company at Salt Lake City, died in the Utah city. He was with the refinery company for 37 years.

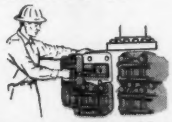


Cutaway view of Shaffer Hydraulic Double Cellar Control Gate (two ram compartments unitized into one compact body). Note simplicity of design!

You can pay MORE but you can't buy BETTER than SHAFFER Cellar Control Gates

Before you buy your next cellar control gate equipment, check the field. Note the unique years-ahead *features built into Shaffer Hydraulic Gates. Compare—and you'll find you can pay* more *for cellar control gates, but you can't buy better than Shaffer!*

ADVANTAGE #1

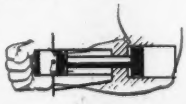


Simply open convenient side doors to change rams—and closing the doors automatically aligns the new rams for proper operation. No extra room is needed above the gate—nor is added space required at the ends—to change rams. Moreover, complete ram changes can be made whether the pipe is in or out of the hole!

ADVANTAGE #2

Shaffer Gates are not only compact in all three dimensions—length, width and height—but there's no need to expand the gates endwise to change rams, nor need extra space be allowed above the gates for lifting out the rams. Even sizes as large as 13⅜" (12" Series 900) are only 18½" high in Single Gates—only 30" high in Double Gates!

ADVANTAGE #3



In Shaffer Gates there are no complicated yokes, no secondary connections between pistons and rams. For maximum safety and simplicity, each ram is operated by a single direct-connected piston!

ADVANTAGE #4

Whether you prefer the extra compactness of a non-rising locking shaft, or the quick indication of ram position afforded by a rising shaft, you choose the design you prefer when you select Shaffer Gates!

In addition, Shaffer Gates have *Self-Draining Compartment Bottoms* (no detrimental sand or mud accumulates to interfere with free ram travel)... *Completely Enclosed Design* (no exposed moving parts to become damaged or corroded)... *Built-In Flow Connections,* and many other unsurpassed features that add up to greater safety, greater dependability, greater convenience. Get the full story from your nearest Shaffer representative—or write direct for further details!

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Schaller Heads Coast Sales For McCullough

Mr. Herman E. Schaller has been appointed Pacific Division Sales Manager for McCullough Tool Company, with headquarters in the Los Angeles General Office, according to an announcement by Mr. I. J. McCullough, Company president.

Herman E. Schaller

A native of Western Canada, Mr. Schaller has been with McCullough Tool Company for eight years as a Sales Representative, and more recently as Pacific Division Logging Manager.

Schaller received his Master's Degree in Petroleum Engineering from the University of Southern California and has had extensive engineering experience in the oil industry and as a consultant to the U. S. Navy during World War II.

An active member of the A.P.I. and the A.I.M.E., Schaller was Chairman of the Southern California Petroleum Section of the A.I.M.E. for 1956. He is currently a member of the National Nominating Committee of the Petroleum Section of the A.I.M.E. and a member of the National Radiation Logging Sub-Committee of the American Petroleum Institute.

J. M. Evans of San Francisco, assistant vice-president, engineering, Standard Oil of California, has retired after completing more than 41 years of service with the company.

Promotions Made At G.P.

Two promotions in General Petroleum Corporation's manufacturing department were announced recently. Ronald A. Baker has been advanced to the position of manager of the technical department and Paul A. Rene becomes manufacturing's economics and planning manager.

R. A. Baker

Baker has been with General Petroleum for 25 years. A native of Los Angeles, he received his BS degree in chemical engineering in 1932 from the University of California.

Rene, a native of Long Beach, has been with General Petroleum since 1938. He received his MA degree from Pomona in 1935.

A. A. Kennedy of Bakersfield, General Petroleum Corporation's assistant northern division superintendent in the pipeline department, has rounded out 35 years of service with the firm. Kennedy, who started with the company in 1922 as a roustabout, was commended by GP's board of directors and presented a diamond lapel emblem.

Carl T. Long Jr. of Crestmont Oil Company has returned to Los Angeles after a check on Crestmont's oil properties in Glasscock County, Texas, where Shell Oil Company some weeks ago completed a discovery well, and Fair & Williamson is currently drilling a second well in the area.

Friends Mourn Passing Of Frank Knox

Frank B. (Pancho) Knox, a familiar figure in the oilfields of California and South America for over four decades, passed away on August 19, 1957, at 4:55 p.m. in St. Francis Hospital in Lynwood, California.

Born in Lincoln, Nebraska, on June 13, 1896, Pancho (as he was always known) came west early in life and entered the oil business in 1914 by going to work for the Standard Oil Company in La Habra. He subsequently worked for various drilling and producing companies, among them the Shell in Venezuela where he acquired his nickname.

At the time of his death, Pancho was employed by Baker Oil Tools, Inc., as branch manager of the Los Angeles Sales and Service Department. He had been with Baker in the Los Angeles basin for a total of 16 years.

Funeral services were held in the Rainbow Chapel of Rose Hill Memorial Park in Whittier, California, on August 22, 1957.

Pancho's cheerful personality and good fellowship earned him a host of warm friends who are saddened by the news of his passing.

T. R. Beauchamp has been appointed Superintendent of The Texas Company's Los Angeles Basin Producing District, it was announced by J. H. Puls, Manager of Texaco's Pacific Coast Producing Division.

Mr. Beauchamp, whose headquarters will be at 1215 East San Antonio Drive, Long Beach, succeeds R. L. Jackson. Mr. Jackson retired October 1, after 38 years of service with The Texas Company.

Mr. Beauchamp joined The Texas Company in December, 1923, as a Plant Operator at Long Beach and has spent his entire career with the company in the Pacific Coast Producing Division. He was made Superintendent of Texaco's Santa Paula District in 1956.

In his new capacity he will have charge of Texaco's producing activities in the Signal Hill, Redondo, Inglewood, Huntington Beach, Richfield, Santa Fe Springs and Montebello fields.

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Tool pushers and drillers, however, familiar with the Globe "2-Cutter", know from actual experience how to solve this costly problem. They know the "2-Cutter's" amazing success in drilling straight hole, how it brings the well back to vertical. They know too, that the Globe "2-Cutter" is exceptionally good in crooked hole country.

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GLOBE OIL TOOLS CO.

Main Office and Plant:
LOS NIETOS, CALIFORNIA
Branches Are Maintained In All Principal Drilling Areas

Kemp Lewis

Forest Vick

Norman Tschirley

Advances Announced At Baroid

Baroid Division National Lead Company has announced the appointment of Kemp S. Lewis as Administrative Assistant to the Manager, Drilling Mud Department. Mr. Lewis has been with Baroid since 1939 and has served as Service Engineer, Well Logging Captain, District Superintendent, and Division Superintendent Bentone Sales Manager, Manager of Mineral and Chemical Sales, and Sales Development Engineer. He majored in Chemical Engineering at Rice Institute.

Forest B. Vick has been appointed Chief Drilling Mud Engineer. He joined Baroid Division in 1946 and his previous positions were Service Engineer, Assistant Division Field Service Engineer, District Superintendent and Assistant Chief Drilling Mud Engineer. Mr. Vick is a graduate Petroleum Engineer from Louisiana State University.

Replacing Mr. Vick is Norman K. Tschirley, who joined Baroid Division in 1949. Mr. Tschirley majored in Chemistry and Mathematics at Grinnell College in Iowa and the University of Texas. He began working in Baroid's Well Logging Department in 1949, in 1951 he became a Drilling Mud Service Engineer, and in 1955, Area Engineer.

Kenneth D. Tanner has been appointed Area Engineer, Louisiana Gulf Coast, replacing Mr. Tschirley. Mr. Tanner was born in Lubbock, Texas, and received a degree in Chemical Engineering from Texas Technological College. He went to work for Baroid as a Service Engineer in 1952.

Robert J. Eiche, president of R. J. Eiche and Associates, was married on September 25th to Bess Blanchard of Beverly Hills.

The wedding was at the Biltmore Hotel, Santa Barbara, with only immediate family as guests. Bob's daughter Bobbe Anne and husband were also there, leaving their new baby daughter at home. Mr. and Mrs. Alfred J. Muhlbach were present, Mr. Muhlbach being best man and Beverly Fowler, daughter of Mrs. Eiche, was matron of honor.

Mr. and Mrs. Eiche, on a trip to New York, no doubt will be watching the World Series and on their return, the middle of October, will reside in Beverly Hills.

T. C. Phillips has been named by Monarch Engineering Corporation to represent the company in the San Joaquin Valley. Phillips, who is in charge of sales and services in the area, will make headquarters in Taft, where a new Monarch store has been established.

Paul O. Giddens, formerly active in the Santa Paula area, now is stationed in Bakersfield. Giddens is another member of the oil fraternity who had the benefit of both the University of Southern California, and Stanford University in his educational background.

T. W. Fisher has been named Superintendent of The Texas Company's Ventura Producing District with headquarters at Santa Paula, it was announced by J. H. Puls, Manager of Texaco's Pacific Coast Producing Division.

Mr. Fisher, who has been Assistant Superintendent of Texaco's San Joaquin Valley District at Bakersfield since October, 1950, succeeds T. R. Beauchamp, who is being transferred to become Superintendent of Texaco's Los Angeles Basin Producing District at Long Beach.

A native of Los Angeles, Mr. Fisher graduated from the University of Southern California with a B.S. degree in chemical engineering in 1937. He joined The Texas Company in the same year as a roustabout at Santa Paula, and has occupied various engineering positions in Texaco's Producing Department since that time.

In his new capacity, Mr. Fisher will have charge of Texaco's producing activities at Santa Paula, Ventura, Newhall, Honor Rancho, Fillmore and South Mountain.

Realignment of Union Oil Company's Pacific Coast field department into three divisions by consolidation of the present Coast and Ventura divisions became effective October 1, according to W. C. Butler, manager of field operations.

Division superintendents are: L. T. Ledbetter, Southern; C. E. Smith, Coast; and J. L. Stair, Valley.

John R. Fraser, formerly Valley Division superintendent, became assistant manager of Natural Gas and Gasoline Operations.

R. G. Smith and R. T. Wheeler were assigned to Secondary Recovery projects.

Under the realignment program Union's field engineering department C. F. Bowden is now chief petroleum engineer, and A. F. Woodward chief exploitation engineer. Division engineers are V. S. Moyer, Southern; F. R. Wade, Coast; C. A. Steiner, Valley.

Frank Rieber, petroleum engineer consultant, has returned to his headquarters in Bakersfield from an air junket to Thailand.

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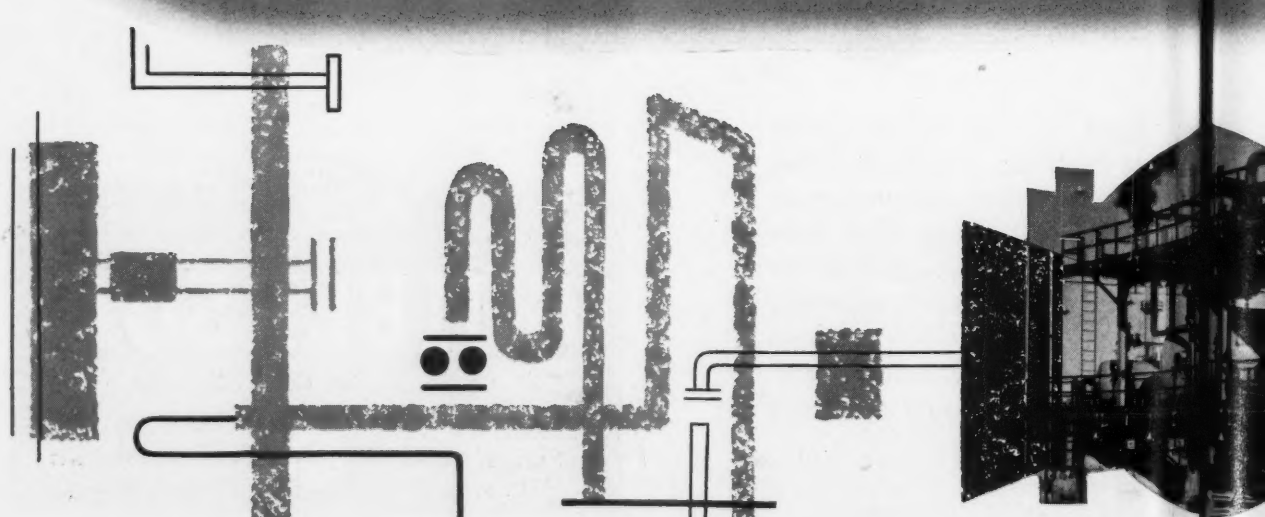

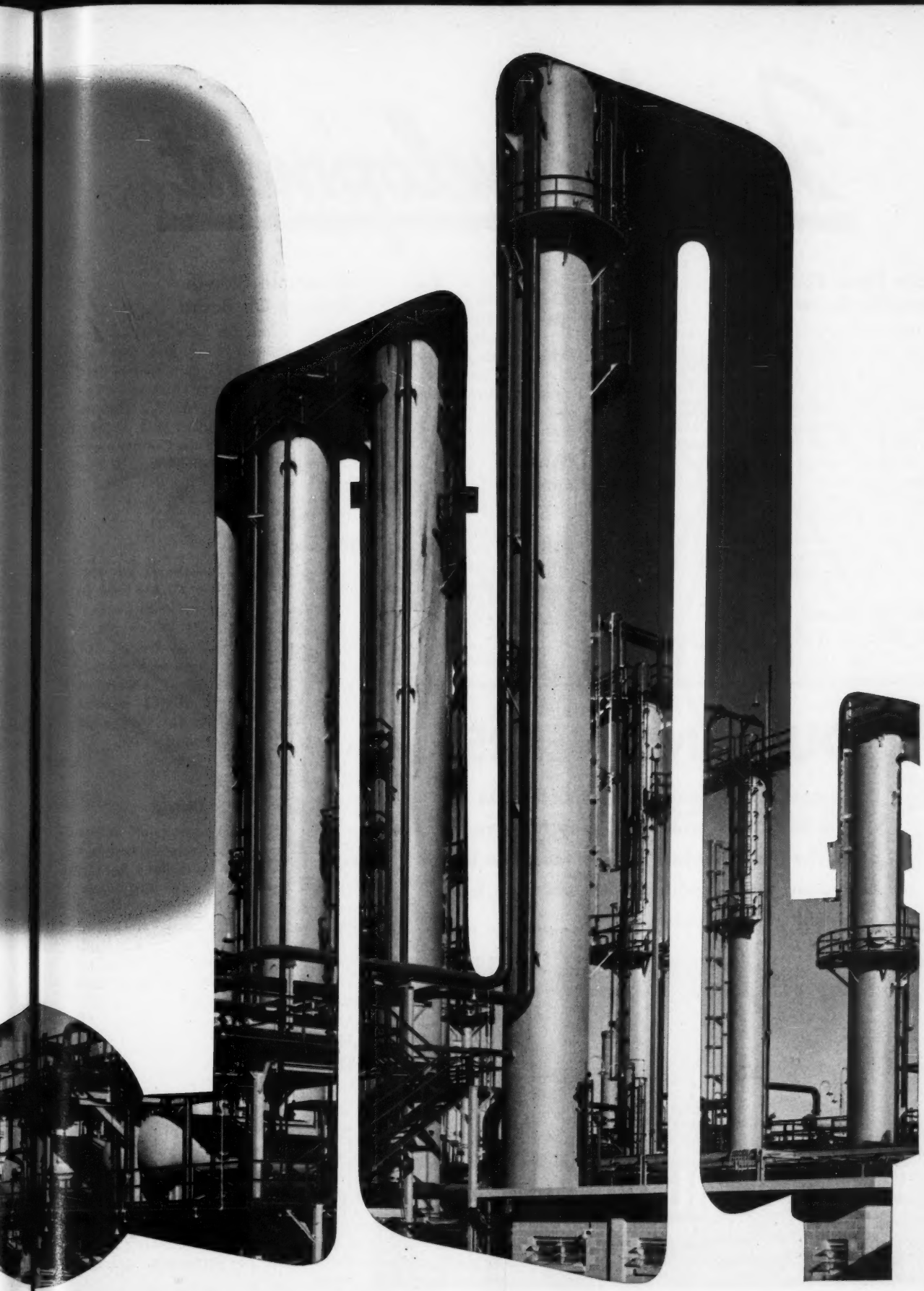

Field Development

White Mesa Field Extension Scored

Continental Oil Company has added new interest to the Four Corners area by clicking with an extension within about two miles of the White Mesa field in southeastern Utah. The successful extender was Navajo No. 10 well on the Navajo Reservation, which on test flowed at the daily rate of some 1200 barrels of oil from the perforated interval of 5663-5713 feet. Location falls almost two miles west of the nearest production and 28 miles south of Blanding townsite in Utah.

Shell Oil Plans Ten Section Test

Shell Oil Company plans a thorough investigation with its KCL No. 15X-24 wildcat test, moving ahead at a relatively shallow depth on Section 24-30s-25e and three-fourths of a mile northwest of the Ten Section field in Kern County. Primary target is the Stevens sand zone.

Wasco Wildcat On Production

Standard Oil's KCL 40 No. 32-17 wildcat test on Section 17-27s-24e in the Wasco area has been completed on the pump for 26 barrels of oil a day along with a comparable amount of water. Total depth is 8000 feet with plug at 7722 feet. The company's KCL 41 No. 32-18 on Section 18 was abandoned at 8000 feet.

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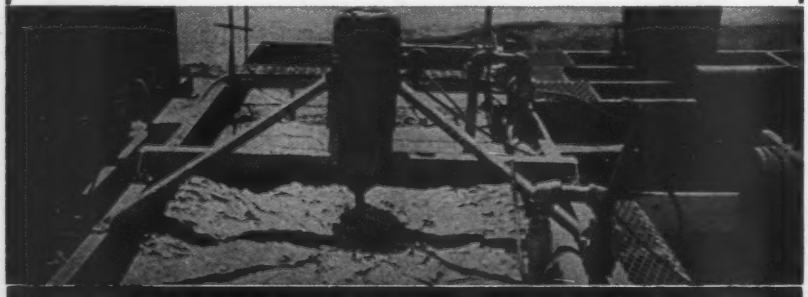

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Sycamore Slough Wildcat Off Board

The search for new natural gas supplies about four and one-half miles east of the Sycamore gas field has come to an unproductive end at 4810 feet. The well, W. W. Holmes' Erdman No. 1 wildcat test on Section 30-12n-2e in Yolo County, was taken to a total depth of 4810 feet before signing off.

Deer Creek Wildcat Quits

One-half mile southeast of production in the Deer Creek field in Tulare County, Deer Creek Properties has given up its Wiley No. 1 test on Section 27-22s-27e at 959 feet. In the Ducor area of the county, the E. B. Hougham, Operator, St. Nicholas-Gould No. 1 wildcat on Section 8-24s-28e has suspended drilling at 650 feet in granite.

Olive-Placentia Well Goes On Pump

Near the intersection of White Star avenue and Houston freeway in the Olive-Placentia area in Orange County, Atlantic Oil Company has put its Dowling No. 2 on the pump for an initial output of 70 barrels a day of 16.2 gravity oil, cutting 1.3 per cent. The well, an extender on Section 7-4s-9w, is bottomed at 5360 feet.

New City Oil District Sought

Allen Guiberson and Edward Burke have applied to Los Angeles municipal authorities for permission to create an oil drilling district on 119 acres in the neighborhood of First street and Vermont avenue. A decision in the matter probably will await action when the city Council votes on establishing a city department of petroleum management.

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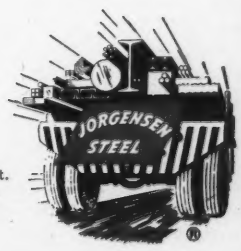

Athens-Rosecrans Wells Drill Ahead

Sunray Mid-Continent Oil Company's Rosecrans No. 15 well on Section 20-3s-13w in the Athens-Rosecrans field is drilling ahead below 1000 feet. The Texas Company's Howard Park No. 2 on Section 18 is making hole ahead near 3500 feet. Camay Drilling Company is contractor on the former, and Haney & Williams, on the latter.

East Ciervo Test Drilling

Beach, Church & Bell is well on the way toward objective depth of approximately 6000 feet with its Robert S. Lytle-Government No. 88X wildcat test on Section 5-17s-12e and east of Ciervo in San Benito County. The venture is bent on turning up production in the Domengine-Yokut and San Carlos zones. At Vallecitos and in Section 5-17s-11e, Artnell Oil & Gas Company is deepening a 6508-foot hole to somewhere around 8500 feet. The well, Ashurst No. 3-5, formerly flew the banner of Ne-Tex Oil Corporation. On Section 18-17s-12e, the Harry L. Barnett, Operator, Ashurst No. 59-18 has been abandoned at 4008 feet.

Three States Seeks Extension

Three States Natural Gas Company of Dallas, Texas, is moving ahead with its A. W. Rice No. 1 well, a southwesterly extension test of the Aneth pool in San Juan County, Utah. The project, another chapter in the company's drilling program in the area, will be taken to some 5600 feet.

Bakersfield Lease Campaign Wound Up

Union Oil Company, which usually successfully finishes what ever it may start, has just about completed its townlot leasing program in Bakersfield, the prelude to slant drilling under the famous Kern County oil city. The company got going with the campaign last March and to date has leases on close to 2500 acres. It probably will be two or three months yet before actual drilling is initiated by whipstock to objective sands, and maybe the Vedder zone, under the city.

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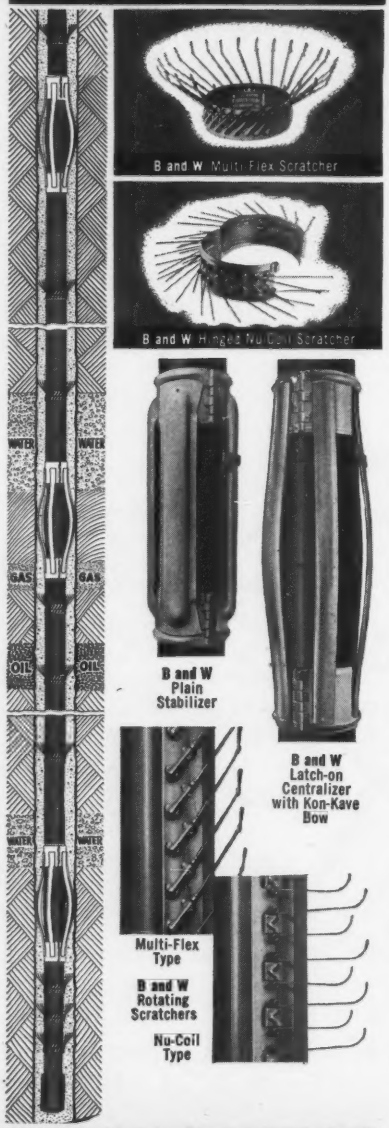

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San Emidio Test Ended

Amerada Petroleum Corporation's KCL No. 1-23 wildcat test on Section 23-11n-22w in the San Emidio area in Kern County has been abandoned at 12,403 feet.

Shell Under Way With White Mesa Test

Shell Oil Company is at a preliminary stage with its White Mesa No. 2 wildcat on Section 4-43s-24e in the White Mesa area, San Juan County, Utah. The drill site is about 12 miles south and west of the White Mesa field, which formerly was known as East Desert Creek. Location is no great distance from the company's earlier test in the area, which was abandoned more than a year ago near 6300 feet.

Boquet Canyon Wildcat Working

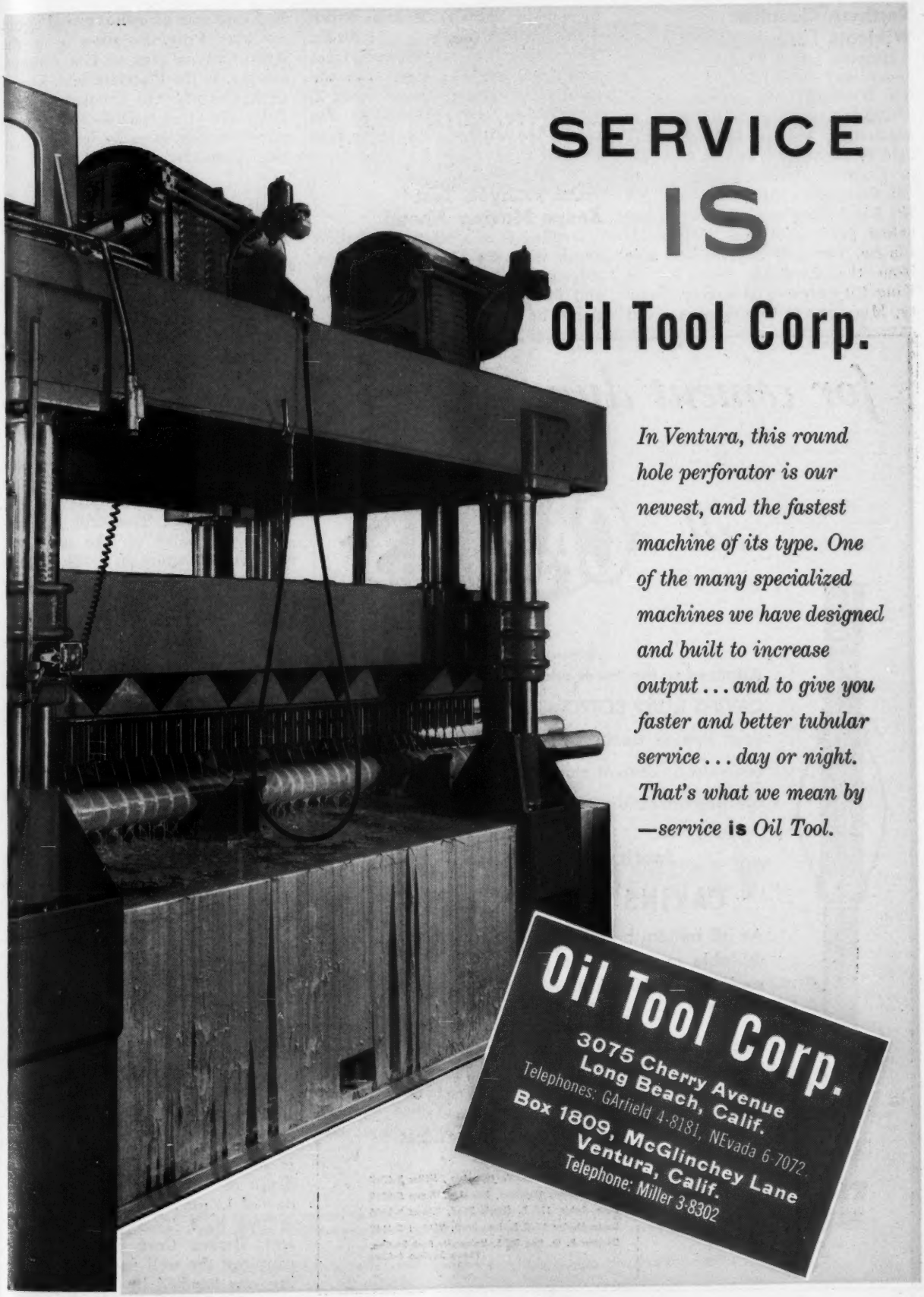
The answer to production possibilities at Thomas Hagen and L. H. Scott's Engel No. 1 wildcat at Boquet Canyon is not many days away. The well, Engels No. 1 on Section 4-4n-15w in Los Angeles County, lies six miles northeast of the town of Saugus and about a mile southwest of of Enterprize Oil Company's Puckett No. 1, a 3992-foot abandonment.

Mojave Desert Wildcat Staked

Joshua Hill of California Oil & Petroleum, Inc., is preparing to drill Rickey No. 1 exploratory venture on Section 16-32s-44e in the Mojave Desert area of San Bernadino County. Location is 30 miles northwest of Barstow.

South Mountain Test Well Flows

The Texas Company has widened the producing area in the South Mountain View with completion of its Harvey No. 29 for a current output of 475 barrels of 31.1 gravity oil a day through a 20/64-inch bean, along with 570,000 cubic feet of gas. Cut was given as .2 per cent. The well was finaled at a redrilled depth of 9111 feet, after going originally to 9115 feet. Location falls on Section 13-3n-2w.



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Northern Counties Wildcats Drill

Humble Oil & Gas Company is under way with its L. D. Ohlson No. 2 wildcat gas test on Section 29-19n-1w or one mile southeast of production in the Beehive Bend field of Glenn County. At Arbuckle in Colusa County, Western Gulf Oil Company's Arbuckle Unit AA No. 1 is drilling several hundred feet below grass roots on Section 11-13n-2w. The well lies one-half mile from the discovery well. In the King City area of Monterey County, Marport Oil Company is about to spud-in Marport Mozzini Block 4 No. 1 wildcat on Section 11-20s-7e. The project is located some 500 feet south and 850 feet west from the company's Marport Mozzini No. 2, which was last reported on the pump, but with representative production figures yet to come.

Aliso Canyon Test Keeps Moving Ahead

Drilling is at a relatively shallow depth with the Max Pray-Mission-Adrian No. 1 on Section 35-3n-16w and one-half mile east of production. The well is sponsored by Lyle E. Kesselman as operator and agent for May Pray. Location is in the Aliso Canyon area in Los Angeles County. In the Placerita field, Twentieth Century Oil Company's Tar Baby No. 1, a 1500-foot test east of production, is under way on Section 32-4n-15w.

Vallecitos Venture On Drilling Calendar

Reports from Vallecitos in San Benito County promise that before the holidays, Norris Oil Company will start the rotary spinning on its Gonzales No. 1 project on a 700-acre spread situated some miles southeast of Shell Oil's new field in the Vallecitos sector of San Benito County. It has been indicated that the operator will drill the forthcoming test to about 4000 feet in order to take a long revealing look at formation in that part of San Benito County. The drill site appears designated for the southeast quarter of Section 20 or the southwest quarter of Section 21-17s-12e. Norris will be the operator and will hold a 50 per cent interest in the play. It is also understood that Norris will not be responsible for any of the drilling costs and if drilling points to production, Norris will pay 50 per cent of expenses associated with casing and completion of the well.

McCulloch Gives Up Fresno Venture

A drilled depth of 8607 feet just about wound up the trip to McCulloch Oil Exploration Company's Toste No. 1 extension test on Section 13-17s-18e in the Helm-Lanare area in Fresno County. The project evidently found little encouragement on the way to bottom.

Kern River Adds Producer

Nealy Exploration Company's Hotchkiss No. 2 extension test on Section 10-29s-28e at Kern River is on the pump from a plugged depth of 640 feet for 35 barrels a day of 13 gravity oil, cutting some drilling fluid. Total bottom is 900 feet. Barnes Core Drilling Company put the well down. Engineering was handled by Fred Sperber.

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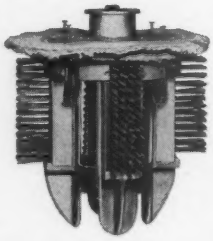

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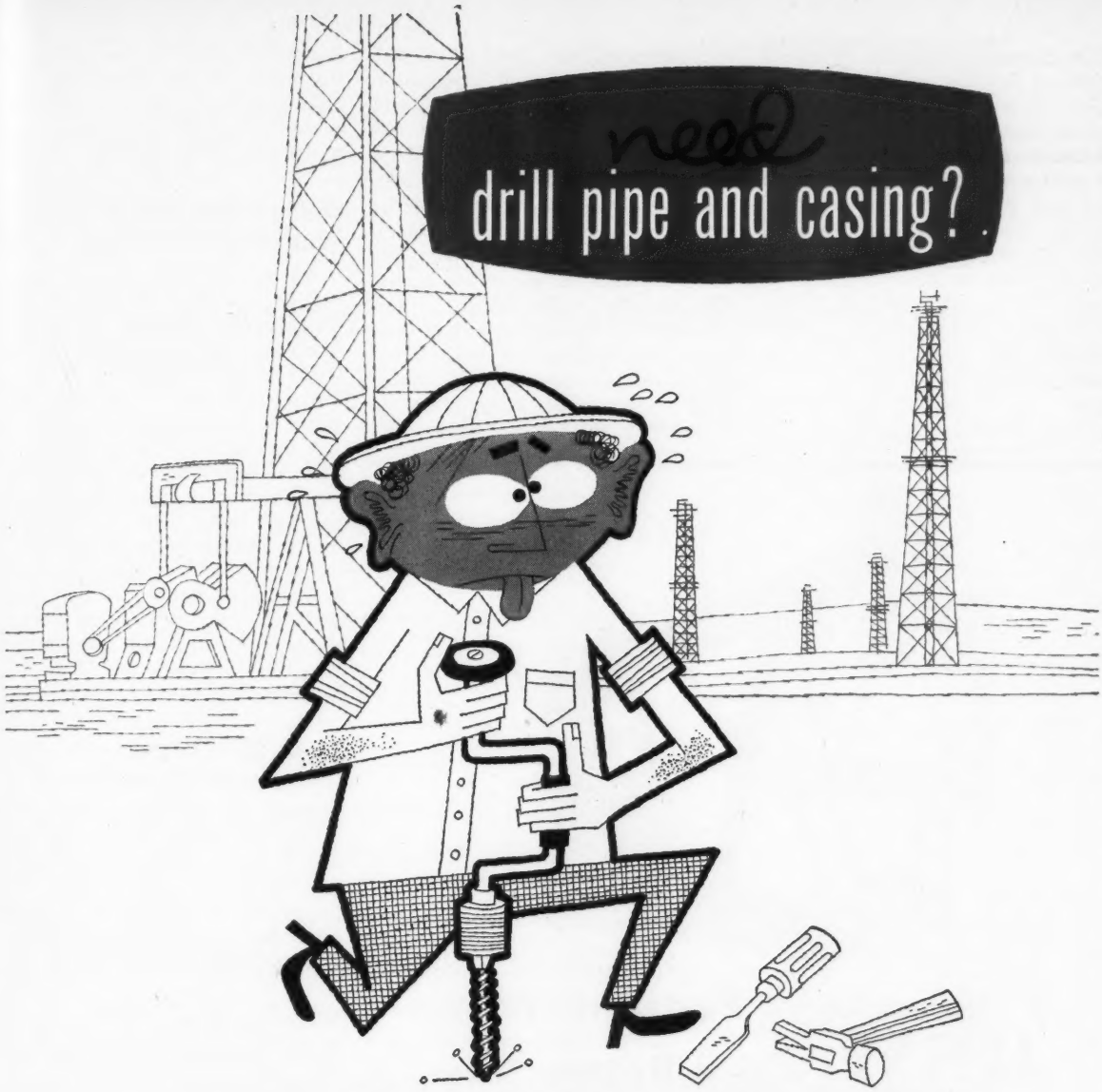

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Wilmington Wildcat Digs

Donald Frankel as operator is drilling Watson No. A-9 wildcat well in Section 27-4s-13w and near the intersection of Sepulveda boulevard and Alameda street at Wilmington. The well is a designated 4000-foot test and lies three-quarters of a mile northeast of production.

Saugus Oil Drill Sought

The Los Angeles City Council has been asked by the Bonelli Cattle Company for renewal of the 1951 agreement for oil exploration under the 406-acre city drunk farm in the vicinity of Saugus. The cattle company is understood to have signed a lease with George C. Atha covering oil and gas interest of the firm beneath the city-owned rehabilitation farm for alcoholics. The lease provides for a one-sixth royalty, $2 an acre a month rental and conventional lease terms. Atha also has leased drilling site adjacent to the farm for slant drilling operations from the company property. In keeping with a 1951 agreement between Bonelli and the city, it was proposed that the new lease would again assign 25 per cent of all proceeds from sale of mineral rights under the farm location.

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Drilling Suspended With San Pedro Test

Apex Petroleum Corporation, recently purchased subsidiary of Douglas Oil Company of California, has suspended drilling at 3447 feet with Hards-Warnock No. 1 test on Section 7-5s-13w in the San Pedro area of Los Angeles County. Not for more than 20 years had a well been drilled within the city limits of San Pedro until Apex undertook the test, just suspended, which was primarily put down for geologic information. A syncline lies between the Wilmington field and San Pedro and Apex was looking for the same zones open to production at Wilmington. The geology of the area is confusing.

Intex Oil's Tapia Canyon Well Active

Intex Oil Company's Hartje No. 2 well on Section 31-5n-16w in the new Tapia Canyon field in Los Angeles County at last reports was producing 60 barrels of 17 gravity oil a day from 1195 feet. The well is a southeast offset of Hartje No. 1.

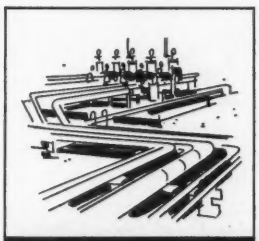
Fillmore Scene of New Texaco Production

The Texas Company's Sespe-McNab No. 1 extension test at Fillmore in Ventura County is in for several hundred barrels of 33 gravity oil a day from a plugged depth of 13,980 feet, with total bottom 13,991 feet. The lower zone from 13,919 to 13,967 feet flowed 577 barrels of oil in 14 hours through a variable 22-36/64-inch beam. The upper zone at 13,767-13,839 feet flowed relatively little oil.

Arroyo Grande Well Completed

In the Arroyo Grande field in San Luis Obispo County, Hyla Oil Company's Hyla No. 1 well on Section 31-31s-13e is in at 1105 feet and pumping about 35 barrels of 13 gravity oil a day from two intervals at 765-875 feet and 975-1105 feet.

Differences...and the freedom of choice



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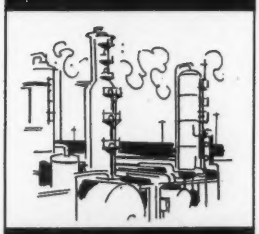
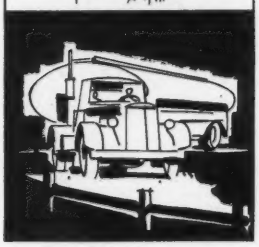
This basic democratic principle is especially apparent in the petroleum industry. For within its framework are vast differences of operation... in drilling, producing, refining, distributing and selling.



Such differences lead to competition, and competition leads to experiment and research. The results are new processes, new and improved products and a better way of life.

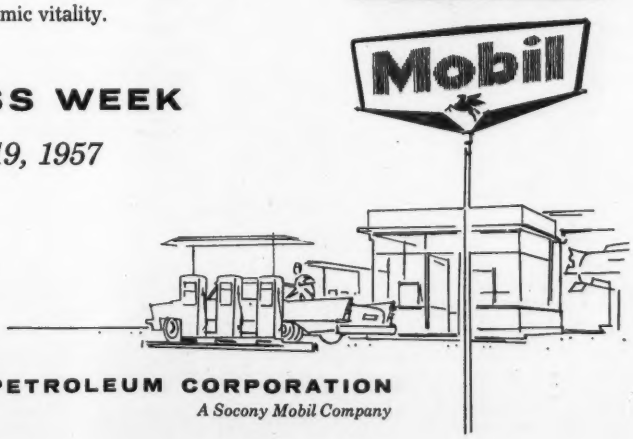


The benefits of this competition are clear for all to see in every community and on the highways where petroleum products are sold... the most advanced petroleum products... the finest service... at the lowest prices in the world.

As long as American business continues to enjoy freedom of choice, this nation will progress... will keep its economic vitality.

OIL PROGRESS WEEK

October 13-19, 1957



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Cat Canyon Field Adds Nice Pumper

Pumping at the daily rate of 140 barrels of 10.5 gravity oil a day from 3650 feet, Petan Company's West No. 4 well on Section 30-9n-32w in the Cat Canyon field of Santa Barbara County has been completed. The well, north of Bishop Oil Company's production, was put down under contract by Camrich Drilling Company. Ken Evans handled the engineering.

Oxnard Field Records Duster

The Oxnard field in Ventura County has registered an abandonment. The well was Lloyd Corporation, Ltd., Lloyd Corporation-Borchard No. 6 on Section 31-2n-21w. The story at this location was written in full at a total depth of 3658 feet.

Devils Den Well Testing

Down 790 feet in the old Devils Den field, K&M Oil Company was last reported pumping testing its Boogie No. 3 well on Section 26-25s-16e, Kern County.

Richfield Finals Bandini Producer

Richfield Oil Corporation's Southern Counties Gas Co. No. 1 well on Section 7-29s-12w in the Bandini field of Los Angeles County is in from 4780 feet for 137 barrels a day of 36.5 gravity oil through a 11/64-inch bean, with 52,000 cubic feet of gas.

Comanche Point Well Deepening

The former Cliff E. Zilgitt B. G. No. 2 wildcat on Section 33-12n-18w at Comanche Point in Kern County is being deepened by Cliff Petroleum Company, the new operator, from old depth of 519 feet. Cliff is also busy with No. 85-22 test on Section 22-11n-18w in the Tejon Hills.

Mount Poso Test Production Failure

Drilling & Production Company's Salisbury No. 2 wildcat project on Section 27-26s-28e in the Mount Poso sector in Kern County has gone the way of all dusters at 1379 feet. In the Midway-Sunset area, Savoy Petroleum's Hagood No. 85 test on Section 3-11n-24w has been given up at 1500 feet.

Crestmont Oil Lists Kern Jobs

Crestmont Oil Company's drilling program calls for four more wells in Kern County. They are May Fee No. 10, No. 11 and No. 12 on Section 8-29s-28e at Kern River, and Union-Miller No. 17 on Section 13-29s-28e at Kern Bluff.

Sunset International Field Campaign Reported

Sunset International Petroleum Corporation announces details of its program for boosting production and reserves on recently acquired properties in Fresno County. Morton A. Sterling, executive vice president, said Sunset is using two work-over rigs in its program, one at Raisin and one at Helm. In the Raisin City field, where the company holds a total of 566 acres, redrilling is under way with Noble No. 2-11, with recompletion planned at 5080 feet. The well is one of a cluster of three on a 220-acre lease acquired in September from Arcady Oil Company. The redrilling campaign will be followed by several offset wells on 20-acre spacing. In the Helm field, work is moving steadily ahead on one of three wells acquired last June from Trigood Oil Company and currently idle.

Berylwood Test Ready

Ready to drill is Union Oil Company's McDivitt No. 1 wildcat on projected Section 26-3n-20w on the Berylwood Anticline in Ventura County. Contract to take the well down has been assigned to International Drilling Company. In the Bardsdale area, Union has made location for Irwin-Berylwood No. 4 test on Section 1-3n-20w.

Bardsdale Test Quits

South of the Bardsdale field, Western Gulf Oil Company's Johnson No. 1 test on Section 24-3n-20w has been given up at 9465 feet. On formation trial at 8065-8150 feet the well showed a recovery during a one-hour period of 315 feet of gas-cut mud and water.

Chemisal Wildcat Drilling On Down

On the Rancho Bolsa De Chemisal in San Luis Obispo County, Robert Whisenant is down near 900 feet with his Julie No. 1 exploratory well on Section 34-12n-35w. Drilling is in the hands of Santa Paula Drilling Company.

San Juan County Drilling Growing

There is no dearth of wildcat drilling in San Juan County, Utah. Operators, currently digging tests in the county, includee General Petroleum Corporation, Standard Oil Company of California, Sheell Oil Company, Gulf Oil Corporation, The Texas Company, Continenetal Oil Company, Sinclair Oil & Gas Company, Carter Oil Company, Texota Oil Company. Mountain Fuel Supply Company and Pan American Petroleum Corporation.

Bardsdale Test Production Failure

West of the Bardsdale field in Ventura County, Getty Oil Company's La Dera Citrus Co. No. 1 wildcat test on Section 11-3n-20w has been abandoned at a redrilled level of 6,000 feet. The project was cored at 5,980-6,000 feet. Original depth was 10,000 feet.

Pleito Hills Doing 90 Barrels

Shell Oil Company's new discovery well at Pleito Hills in Kern County is pumping 90 barrels a day from a total depth of 13,804 feet. Cut at last reports was about 25 per cent. The well, on Section 25-11n-21w, will have to do better to enter the commercial ranks.

Fruitvale Test Quits

Santa Fe Drilling Company as operator has pulled out of KCL No. 64A-26 wildcat test in the Fruitvale area. Drilled to a total depth of 3350 feet on Section 26-29s-27e, the project was a joint test with Great Basin Petroleum Company and for a time held promise of possible commercial yield. The Parker zone was logged at 3319 feet.

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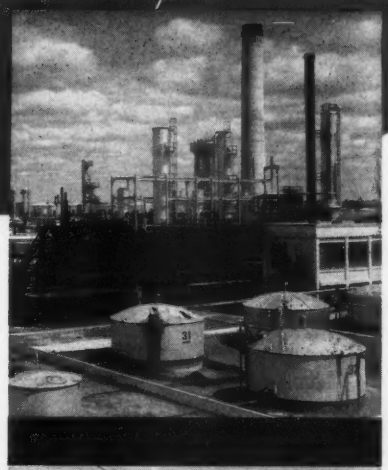

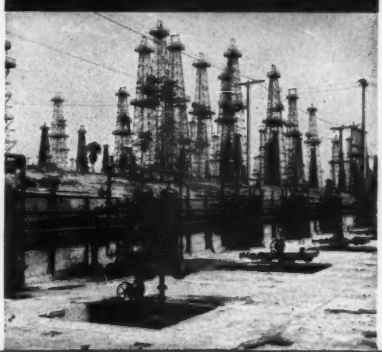

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Rocky Mountain NEWS

Colorado—Idaho—Montana—New Mexico—Utah—Wyoming—Western Canada

Proxy Fight Over

A proxy fight over control of the Consolidated Royalty Oil Co. of Casper, Wyo., was climaxed with the election of four new members to the seven-man board of directors, the old management retaining three.

Walter W. Wittlinger of Casper was elected chairman of the board, succeeding C. B. Richardson of Casper and Cheyenne. Other posts were shared between the former management and newcomers.

L. A. Parker of Casper was reelected president; T. C. Tonkin of Casper reelected vice president along with Frank A. Zimmerman of Chicago, also named vice president; J. C. Warkley of Casper reelected treasurer, and I. R. Deemar of Chicago elected secretary.

Zimmerman headed a faction fighting for control of the company. Deemar headed another faction seeking control.

D. O. Berliz of New York and W. A. Morton also are new members of the board of directors.

Mrs. Ruey B. Perry of Casper, formerly secretary, was named assistant secretary-treasurer.

Wyoming

The California Co. and Hiawatha Oil & Gas Co. are coring below 6,870 feet in the Parkman at the No. 2 Govt.-Davis after recoving oil in a drillstem test of that formation. The well, which is a stepout a half mile east of the California Co.'s No. 1 Govt.-Davis, is located in ne nw 29-49n-75w, Campbell County. On the drill stem test at 6,795-6,870 feet, with tool open an hour and 35 minutes, the recovery was 270 feet of clean oil, 900 feet of heavily oil and gas cut mud and 3,200 feet of mud. The new well is a mile and a half southeast of the highly active Dead Horse Creek field. Several other Parkman tests are under way in the area.

A Shannon test in Campbell County is scheduled by Lacy Armour of Wichita Falls, Texas. The wildcat, the No. 1 Kendrick Cattle, is spotted in e½ nw se 12-57n-76w. It is scheduled for 5,600 feet. The location is 17 miles northwest of Spotted Horse and four miles south of the Montana line. Just over the line in Montana, Owanah Oil & Development recently plugged a Shannon test on Kendrick Cattle Co. land in c ne ne 29-9s-44e.

About eight miles east of Worland in Washakie County, Pan American Petroleum Corp. has staked location for a Phosphoria test at the No. 1 Govt., in 20-47n-91w. Tennessee Gas Transmission has drilled a Phosphoria discovery two miles to the southeast at the No. 1 Govt.-Schrantz.

True Oil Co. and R. H. Fulton are drilling a Lakota test in Niobrara County at the No. 1 Govt.-Robertson, c sw sw 11-39n-65w. It is scheduled for 7,400 feet.

Mountain Fuel Supply Co. has released no information thus far on tests of the No. 1 Antelope Draw Unit, nw sw se 22-32n-111w, Sublette County.

Owanah Oil & Development has staked location for a Tensleep test in Natrona County. It will be the No. 1 State, c ne ne 36-36n-85w, northwest of the Burke Ranch field.

Phillips Petroleum is preparing to drill an extension southeast of the Rolff Lake efield discovery in Fremont County. The new well will be the No. 1-A Tribal, se sw 26-6n-3w, scheduled for the Phosphoria.

Utah

British-American Oil Producing has recovered oil on swab tests and is continuing to test at the No. 1 Federal-Danvers, nw sw se 4-39s-18e, San Juan County. The well was drilled to 3,152 feet total depth.

Carter Oil Co. has run production string at the No. 1 Navajo-23, c ne ne 2-42s-21e, San Juan County. Oil and gas shows were found on a drillstem test at 5,774-882 feet. The well, which is an offset to a discovery by Shell Oil Co., was drilled to 5,950 feet total depth.

Logs also are being run at the No. 1 Johnson Creek, e½ nw se 33-35s-22e, San Juan County, following oil shows on drillstem tests. The operators are Standard Oil of California, Four Corners Uranium and Out West Uranium & Oil.

McRae Oil & Gas is drilling a Mississippian test at the No. 1 McRae-Federal, c sw sw 10-25s-18e, Grand County. The objective formation is expected at 8,800 feet. It is four miles northeast of the No. 1 Federal-Bowknot, drilled by Federal Oil, and about which no official information has been released.

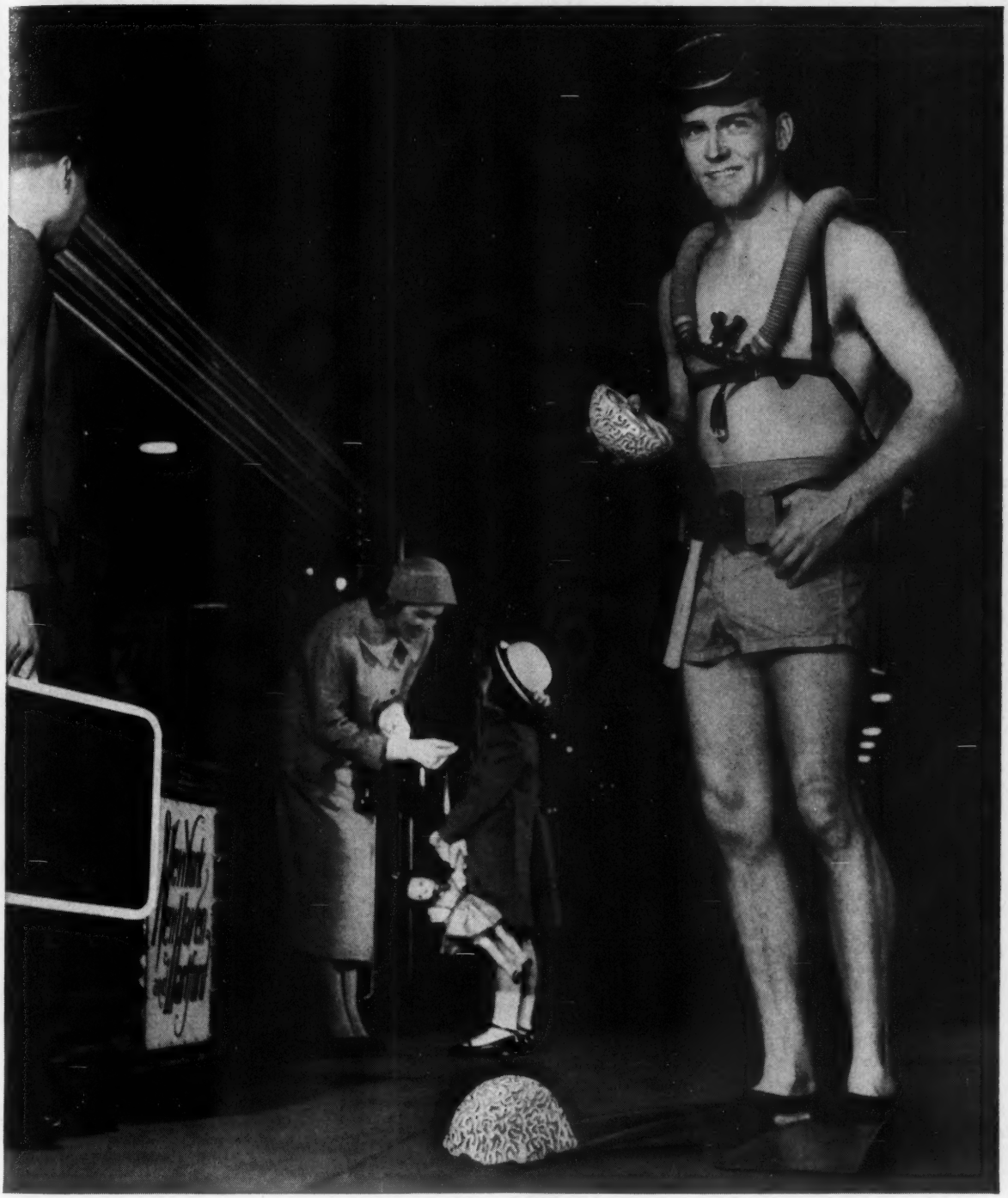
Sinclair Oil & Gas, drilling an outpost east of the Cahone Mesa field in San Juan County, found gas cut mud and salt water in a test of the No. 2 Navajo-157, c nw nw 26-40s-25e. The well has been drilled to 6,167 feet total depth and pipe run to 6,161 feet.

Texas Eastern Transmission is continuing to take cores at the No. 1 Federal, c ne sw 26-22s-15e, Emery County, after finding a number of shows. The well will go to 6,500 feet.

Sinclair Oil & Gas was last reported fishing at the No. 1 Federal-Fehr, c sw sw 7-38s-18e, San Juan County, as result of stuck drill pipe. The well is a Mississippian test, scheduled for 5,400 feet.

Colorado

National Associated Petroleum has completed a gas discovery in Garfield County for 3,700,000 cubic feet per day. The well is the No. 1-A Federal, se se sw 22-7s-104w. Production was obtained from the Buckhorn at the interval 4,115-27 feet. The well was drilled to 4,193 feet total depth. It is eight and a half miles northwest of the Garmesa gas field and was drilled in wildcat territory.



Make room for oilmen on the Limited. Our seagoing geologist doesn't usually travel with his coral samples. But they're clues in the search for oil, and he's making the point that oilmen help railroads carry people and freight from here to almost anywhere. The latest count tallied 440 million passengers and 2.5 billion tons of freight in one year. So if your seat mate on the train doesn't know the facts and talks against the oil industry, tell him you're an oilman and proud of it. And tell him why. **SHELL OIL COMPANY**

In Mesa County, Campbell-Bickling has abandoned the No. 1 Barcus, c se nee 11-2n-3w. It was schedulede as a test of the Salt Wash.

Brack Drilling Co. recovered gas at the rate of 3,500,000 cubic feet per day from the J sand on a drillstem test of the No. 1 Scott, c sw nw 3-8n-48w, Logan County. The test was taken at the interval 4,110-22 feet.

Amerada Petroleum is drilling below 5,755 feet at the No. 1 State-C, se sw 17-20-56w, Crowley County. Salt water was found in a test of the Pennsylvanian.

American-Petrofina, Inc. is approaching its objective of 3400 feet at the No. 1 Govt.-10, c se se 10-1s-96w, Rio Blanco County. Salt Water was recovereed on a test at 1840-70 feet.

New Mexico

A gasser brought in by Colorado Western Exploration Co. has been completed for production both from the Dakota and the Mesaverde. The well is the No. 1-19 Govt.-Southern Union, a confirmation of the same operator's Dakota discovery at the No. 1 Govt.-Cain. Total flow was 9,594,000 cubic feet of gas per day, of which 7,562,000 cubic feet was from the Dakota, productive at two intervals, and 2,032,000 cubic feet from the Mesaverde. The well was drilled to 6850 feet total depth, with the Mesaverde topped at 3820 feet and the Dakota at 6747 feet.

Moore, Moore & Miller recovered oil at the rate of 62 barrels per hour from perforations opposite the Gallup at the No. 1 Irish, ne se nw 32-25n-10w, San Juan County. There was gas at the rate of 2,000,000 cubic feet per day. The producing interval is 5238-62 and 5274-90 feet, with the well drilled to 5350 feet total depth. The operator is drilling a stepout to the west.

Humble Oil & Refining has found small production from the Dakota at a Sandoval County wildcat, the No. 4 South Chaco Unit, ne sw sw 10-22n-8w. The well was completed on pump for 10 barrels of oil and four barrels of water per day.

The Texas Co. will drill a Devonian test in San Juan County at the No. 1 Navajo-N, c sw nw 17-32n-18w. Objective is expected at 8350 feet.

Gulf Oil is testing at the No. 1 Kinebato, c ne ne 21-24n-9w, San Juan County. The well was drilled to 5476 feet total depth and plugged back to 5374 feet for production from the Gallup. Operator has run production casing.

Skelly Oil has plugged back from 7193 feet to 7075 feet at the No. 3 Jicarilla B, c nw nw 5-24n-5w, Rio Arriba County, and is preparing to produce. It is a confirmation of a Hospah discovery by this operator.

Pan Amereican Petroleum Corp. recovered gas at the rate of 186,000 cubic feet per day and a trace of oil at the No. 1 Navajo-B, nw se nw 10-31n-19w, San Juan County. The recovery was on a swab test at 6460-95 feet. The well will be carried to the Granite.

Gulf Oil is continuing tests at the No. 1-X South Huerfano-Federal, w½ sw sw 15-24n-9w, San Juan County. Operator receovered gas at the rate of 2,663000 cubic feet per day from perforations at 5256-5312 feet.

Nebraska

U. S. Smelting, Mining and Refining recovered 330 feet of clean oil on a drill stem test of the J sand at the No. 1-11 Brown, c nw se 11-18n-54w, Banner County. The well was drilled as a confirmation to McDaniel Drilling's No. 1 Brown, which was a J sand discovery. The McDaniel discovery, in c ne se 11-18n-54w, is pumping at the rate of 281 barrels of oil per day.

Halbert & Jennings will drill a wildcat east of Scottsbluff at the No. 1 Roberts, c se sw 14-22n-54w, Scotts Bluff County. West of the city, Davis Oil is drilling the No. 1 Govt.-Diggs, c ne se 34-22n-56w.

Columbine Exploration has found J sand production at its western stepout from the Hackberry field in Banner County. The operator pumped 98 barrels of oil per day in an initial test of the No. 1 Burnett, c ne se 7-18-n 53w, and completed the well for a pump gauge of 33 barrels of oil per day. The well is two miles east of McDanieel Drilling Co.'s No. 1 Brown.

Davis Oil failed to find production at the No. 1 Govt.-Diggs, c ne se 34-22n-56w, Scotts Bluff County, and abandoned the venture at 5590 feet total depth.

North Dakota

Interest continues to mount in the area east of the Nesson anticline, with one of the latest successes being Spartan Drilling's No. 1 Eckland, sw nw 9-162n-95w, in Divide County. The well flowed 68 barrels of oil per day through perforations opposite the Madison at 6739-43 feet. The wildcat is two and a half miles northeast of the Noonan field. The oil production was through ¼-inch choke and was accompanied by water.

In Burke County, where there is even more activity directed at the Nesson (Madison) pay zone, Petroleum Corporation of America and Tom Jordan recovered from 15 to 25 barrels of oil per hour in tests of the No. 1 Jorgens, c ne ne 28-162n-91w. Operators are building tanks. The wildcat is four miles southeast of the Lignite field.

Eight miles northwest of the Lignite field, Arrowhead Exploration is drilling below 6120 feet at the No. 1 Probst, w½ se se 17-163n-92w, Burke County. Operator recovered 280 feet of oil in a drillstem test of the Nesson at 6075-91 feet.

Amerada Petroleum Corp. is drilling at about 9100 feet at the No. 1 Scoria Unit, c ne ne 10-139n-101w, Billings County. The wildcat is four miles west of the Fryburg field. Gas and mud cut black oil was found in a test of the Heath.

In a northern extension of the Lignite field in Burke County, Pan American recovered oil at the rate of 12 barrels per hour at the No. 1 Holte, c nw se 5-162n-91w, Burke County.

Montana

Pan American Petroleum Corp., drilling in Daniels County at the No. 1 Godden, c se se 5-33n-49e, has recovered oil from the McGowan member of the Mississippian. The wildcat, which is four miles northwest of the Northeast Bredette field, flowed 102 barrels of il and 75 barrels of salt water through perforations at 6410-14 feet and after acidizing.

In Roosevelt County, the Texas Co. is drilling at approximately the 8300-foot level at the No. 1 McGowan, n½ ne nw 2-32n-50e. It will test the Winnipeg.

Carter Oil Co. is drilling at about 5000 feet at its Winnipeg test near the Canadian border in Sheridan County. The No. 1 Nelson, s½ ne nw 4-37n-53e, is 10 miles north of the Outlook field, where there has been extensive activity.

Shell Oil Co. has announced location for a Mission Canyon test in 2-18n-43e, Garfield County.

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G.P. Moco Lease Has New Life

New life has sprung from one of California's oldest oil fields, the Moco lease, operated by General Petroleum Corporation in the San Joaquin Valley near the historic village of Maricopa.

For some time General Petroleum's 99 wells in the Moco area had been producing around 1100 barrels daily. It was hoped that the potential of the property was considerably more than that, with a possibility of new production from untested zones.

A few months ago, because of a need for more California crude oil, the company decided to determine the extent to which the Obispo-Pacific fractured shale zone existed under the Moco properties. This zone was known to be productive along the eastern margin.

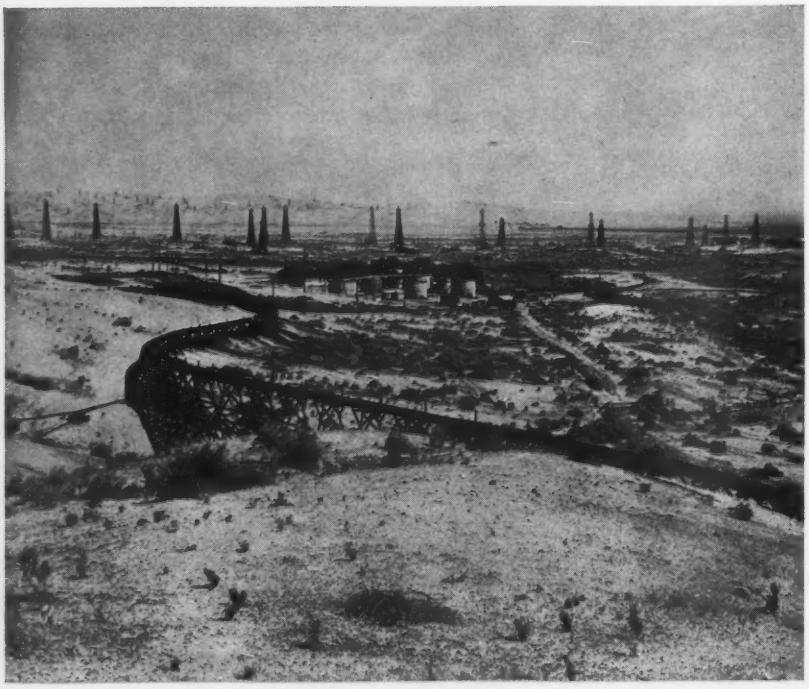
Ten new wells drilled this year have proved further the productivity of the zone under the Moco. Seven produce from the typical Obispo-Pacific fractured shale zone, but the three most westerly wells drilled have proved the presence of a rather thick, new oil sand section near the top of the zone previously opened to production.

The westerly limits of this sand occurrence have not been established, but will be tested by the drilling of about 15 more wells this year. If successful, this effort may bring Moco production up to 5000 barrels daily.

General Petroleum's connection with the Moco lease dates back to the early 1920's, when GP purchased their property from the Midway Oil Company (hence the name Moco).

Richfield Oil Plans Alaska Followup Well

Having safely tucked away its important Alaska discovery well, Richfield Oil Corporation is preparing to drill a followup well about two miles south of the find on the Kenai Peninsula. The discovery, Swanson River Unit No. 1, started off at a daily rate of 900 barrels of 33 gravity oil through a one and one-half-inch choke. Gas yield was given as 122,000 cubic feet a day. Located on the north side of the peninsula and 40 miles southwest of Anchorage, production came through perforations in the interval of 11,150 to 11,215 feet. Total depth of the well is 12,384 feet, with casing cemented at 12,000 feet. The latest report told that production had been pinched back to 360 barrels a day through a 9/64-inch orifice with 50,000 cubic feet of gas. Tubing pressure is 900 PSI. The Swanson River Unit contains 71,600 acres of Federal land in which Richfield holds 89½ per cent interest. Union Oil which owns a small operating interest in the play, has been busy in its own right acquiring available ground in the area. The limit of any one filing is for 100,000 acres of leases and 200,000 acres of options from others who have filed. Union has just about reached these limitations in obtaining oil and gas leasehold rights in the Territory of Alaska. Most of the acquired land is in the immediate vicinity of the discovery well. Some 280 miles southwest of the find and 325 miles from Anchorage, Humble Oil & Refining Company is drilling Bear Creek Unit No. 1 in the Widebay-Kanatak area. A 12,000-foot joint test with Shell Oil Company, Rowan Drilling Company is contract driller of the well. Great Basin Petroleum Company has leased something like 2,000,000 acres in the Bristol Bay area in southern Alaska. Reserve Oil and Gas Company, Monterey Oil Company and others have assembled acreage, west of the Humble project. In the Icy Bay-Cape Fairweather area on the southeast coast of the territory, Colorado Oil & Gas Company boasts a large unit block, approximately 300 miles south and east of Anchorage.



The trees in the center of the picture stand out like an oasis at the headquarters of General Petroleum Corporation's Moco lease in the Midway-Sunset field near Taft. General Petroleum plans to drill 15 more wells in this area this year.

Bakersfield College Holding Seminar Meets

Seminar meetings on paleontology biostratigraphy are being held on the first Monday of each month at the new Bakersfield College campus in Bakersfield from 7:30 to 9:30 p.m. in the Science and Engineering Building. The coordinating instructor is John Van Osdel. Among members of the advisory committee are Jack Bainton, Standard Oil of California; William Binkley, Superior Oil; Edwin Steinmeyer, Shell Oil; Stanley Carlson, Richfield Oil; Charles Carey, Union Oil; Clifford Church, Tidewater Oil; Thomas Wilson, San Joaquin Valley Geological Society; and V. L. VanderHoof, GSA and SVP. Church is chairman of the committee.

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Standard Increases La Habra Installation

To meet increasing research and operational demands, subsidiaries of Standard Oil Company of California are constructing two new buildings and enlarging a third at their La Habra installation.

A 17,000 square-foot laboratory building is being erected for California Research Corporation, which carries out research, development and technical service for Standard of California and its subsidiaries throughout the world in a widely diversified group of laboratories. This activity's usable area and manpower have been more than quadrupled since established at La Habra in 1947.

A 41,000 square-foot Exploration Department building is under way for Standard Oil Company of California, Western Operations, Inc., and additions are being made to the cafeteria to accommodate new personnel at the La Habra installation. The combined projects will cost in excess of a million dollars.

Architects Allison and Rible, who have designed all the permanent development at La Habra, prepared the plans for the triple project. Designs follow the same semi-residential character observed throughout the La Habra "campus," which lies in pleasant, parklike surroundings.

California Research Corporation's new building, its third major laboratory in the area, will be a two-story, all-concrete, air-conditioned structure. It will house laboratories for portions of the geological and producing research activities, as well as general, clerical and accounting offices, conference room, drafting room and related areas. Construction is by Lindgren & Swinerton. Completion is scheduled early next year.

The new Exploration Building, being erected for Standard Oil Company of California, Western Operations, Inc., lies at the opposite end of the "campus," and will provide facilities for some 150 employees to be relocated from the Los Angeles downtown office. Its 63 offices will handle geological, geophysical and land and lease personnel, the supporting drafting and photo reproduction services, etc. Completion is expected in mid-1958.

Four Corners Line Keeps Moving Ahead

Contract for the construction of the Colorado River crossing, five miles north of Needles, California, of the 750-mile pipeline from the Four Corners of Los Angeles has been awarded the R. M. Fulton Company of Lubbock, Texas. The crossing will be underground and of 16-inch pipe. Shell Pipe Line Company, builder of the Four Corners system, recently has assigned other contracts on work connected with the crude oil line. Station Construction Company of Houston, Texas, will put up a pump station at Red Mesa in southeastern Utah. Engineers Limited Pipe Line Company of San Francisco will build a station immediately south of Cameron, Arizona, and Macco Corporation of Paramount, California, will construct a station at Twentynine Palms, California. In addition to a triple coating and a wrapping of enamel and glass fibers, the pipe across the Colorado River will also be given a final coating of concrete. The pipe will also be safeguarded from resting as much 20 feet beneath the river bed. With the trunk line already completed across the Navajo Indian Reservation in northern Arizona, building of the line is moving at a fast pace toward the Colorado River. Moreover, feeder systems in oil areas at Aneth, Utah, and Bisti, New Mexico, are in the final stages. The three pumping stations will be controlled from Los Angeles through the medium of microwave radio. They will use pumping units with 900-horsepower motors. Shell Pipe Line will operate the crude oil line for Standard Oil of California, Continental Pipe Line Company, Richfield Oil Corporation, Shell Oil Company, The Superior Oil Company and others.

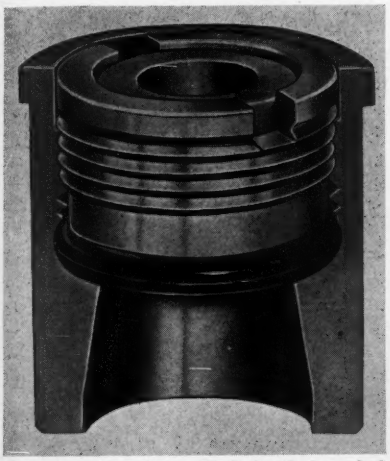
Second Washington Well Drilling Ahead

Sunshine Mining Company is drilling ahead with a second well near Ocean City in an effort to duplicate production success of its discovery well. Incidentally, crude oil from the state's first commercial well is going to the U. S. Oil & Refining Company plant in Tacoma. The company has enhanced its land position in Washington by the recent acquisition of an additional 400,000 acres of oil rights by way of oil and gas leases and options. The discovery well picked up no less than six potential producing zones, plus the fact it bottomed in oil sand. Casing was set at a depth of 4130 feet. The first production test was conducted at 3945-3965 feet and reacted with a flow of some 400 barrels of oil and 7,500,000 cubic feet of gas a day. If the oil finder continues to show a disposition to produce along worthwhile lines, the effect of the discovery will be tremendous from the standpoint of the Pacific Coast economy. The plain provinces in Western Canada, which are only marketing about half their possible oil production, certainly can not regard indifferently any full-scale petroleum development on Washington and Oregon. Their hopes for their marketing future was centered on the Pacific Northwest and its growing demand for oil, brought about by a burgeoning population.

Nothing indicates approval of a magazine like a renewal subscription check.

H. C. Smith Announces New Threaded Flow Nozzle

The H. C. Smith Oil Tool Co. has announced the development of a new, threaded flow nozzle—the first to be used in 3-cutter jet rock bits. Thoroughly tested and proven by the manufacturer, the new nozzle is so designed as to permit easier, quicker, and completely foolproof installation or replacement in the field. Instead of the customary knockout rod, pliers, and gage bar, a single wrench is the only tool required for installation or removal.



Cutaway view of new H. C. Smith threaded flow nozzle.

An "O"-ring in the simple utilized assembly is compressed as the threaded flow nozzle is screwed tight. The compressed "O"-ring thereafter acts as a "shakeproof" elastic stop nut to prevent backing out of the nozzle while running in the hole. And during the drilling operation, fluid pressure on the same "O"-ring positively locks the nozzle and retainer in place.

The unique construction of the assembly is such that neither turbulence during drilling nor back-wash while running in the hole can create sufficient fluid erosion to cause failure or loss of the threaded nozzle.

The new development promises to provide positive assurance against loss of nozzles by eliminating both the chance of human error in installation and the chance of mechanical failure during operation.

Continental-Emsco Home Office To Move To Larger Quarters

Continental-Emsco Company has announced plans to relocate its home office in Dallas into newer, larger quarters. The move, slated for the latter part of 1958, will headquarter the home offices of the oil field supply and manufacturing company in the Mercantile Commerce Building. The company is a division of The Youngstown Sheet and Tube Company.

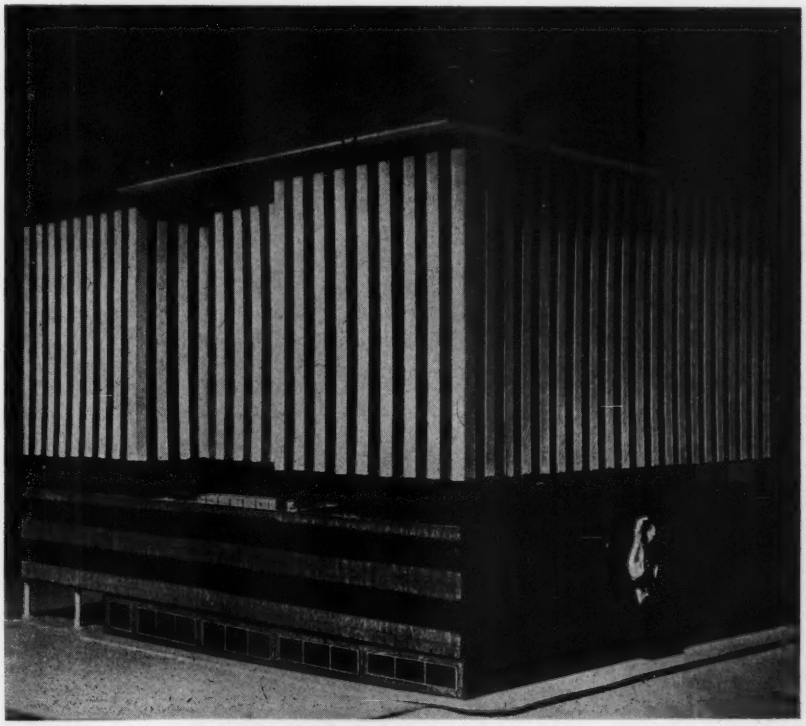
Located just a few blocks east of Continental-Emsco's present location, the Mercantile Commerce Building occupies an entire city block. The construction project scheduled for the building, includes the addition of eight floors as well as refacing and remodeling the present three floors.

"These new offices are a recognition of the continuing vitality of the oil industry we serve," stated Mr. F. M. Mayer, President of Continental-Emsco Company. "Our growth is paced to give this industry the finest equipment and service available."

Continental-Emsco Company will have an office area of 60,000 square feet, occupying three floors of the enlarged building. The district offices of The Youngstown Sheet and Tube Company will also be in the new building.

Continental-Emsco Company was formed on January 1 of this year when Youngstown merged Continental Supply Company and Emsco Manufacturing Company. The new company forms a fully integrated manufacturing and distribution company for all types of oil field supplies and equipment. Continental has headquartered in Dallas since 1933. Emsco's home offices were located in Los Angeles.

Continental-Emsco Company has plants located in Garland, Houston and Los Angeles, California.



LAUGH THIS OFF!!

There was a nervous business man who was told by his doctor to take two aspirins and a slug of whisky a day. Sometime later the good Doc met the man's wife and inquired how he was coming along with the treatment.

"Just swell," said the wife. "He's three days behind on his aspirin and three months ahead on his whisky."

An expert, who claims to know, says that the male jackrabbit can run 45 miles per hour. The female 43. I guess that clears up the rabbit question.

An Indian petitioned a judge of a Montana court to give him a shorter name. "What is your name now?" asked the judge.

"Chief Screeching Train Whistle," said the Indian.

"And to what do you wish to shorten it?" asked the judge. The Indian folded his arms majestically and grunted, "Toots."

It was on Highway 99. A flaming redhead was cruising along in a Thunderbird at about 90 miles an hour. A motorcycle cop stopped her and inquired:

"Say, lady, didn't you see the speed limit sign back there?"

"Why, yes, officer," replied the beautiful one, "I thought it said 99 miles per hour."

"Sister," the cop sighed, "I'm glad I caught up with you before you turned into Highway 395."

Jo—"This new book on health says that bathing alone won't keep you healthy."

Flo—"I don't care what the book says; I'm going to keep right on bathing alone."

One of these days somebody's going to come up with a book on "How to Get Out of Doing It Yourself."

Two privates had adjoining cells in the brig. "And what are you in for?" asked the first private.

"Oh, I was assigned to the officers' party," said the second private, and the captain told me to stand at the door and call the officers names."

His wife lay on her death bed. She pleaded:

"John, I want you to promise me that you'll ride in the same car with my mother at my funeral."

"Okay, but it's going to ruin my whole day."

The old fashioned girl used to tuck her money in her bodice. The modern miss prefers to keep it where it won't be seen.

"You need to relax and get away from it all," the doctor told his patient. "Could you go abroad?"

"Sure could, Doc," said the patient, "What's she like?"

The origin of the expression, "hurrah for our side!" goes back to the crowds lining the streets when Lady Godiva made her famous sidesaddle ride through the streets of Coventry.

Three Frenchmen were discussing the meaning of savoir faire. The first one said: "If a man comes home and finds his wife in bed with another man but says nothing, that's savoir faire."

"No," the second Frenchman said. "If a man comes home and finds his wife in bed with another man and says, "Continuez,' that's savoir faire."

The third Frenchman disagreed. He said: "If a man comes home and finds his wife in bed with another man and says 'Continuez' and he continues, that savoir faire."

Sweet Young Thing: "Can you tattoo a cat on my knee?"

Tattoer: "We're having a sale on giraffes this week."

A beautiful girl, emerging from a secluded pool, where she'd been swimming a la natural, heard a rustling in the bushes.

"Who's there?"

"Willie."

"How old are you Willie?"

"Eighty-nine, dern it!"

Drew Pearson likes to tell his audiences about the man who visited a Washington department store to buy a brassiere for his wife.

"What kind do you want?" the salesgirl asked. "We have the Stalin, the Salvation Army, and the Drew Pearson."

Noticing that the man looked amazed, she explained:

"The Stalin model uplifts the masses. The Salvation Army supports the fallen. And the Drew Pearson makes mountains out of molehills.

A sign on a farm gate said: "The only love that money can buy—Puppies For Sale."

At the bar a sly looking man said to his drinking companion, "One thing I've learned in my long experience with women is that you can't trust a woman with brown eyes."

"Gad," said the other, "I've been married two years and I don't know what color eyes my wife has." So he bolted home, crept up the stairs where his wife was sleeping and carefully raised one of her eyelids.

"Brown!" he roared!"

Brown crawled out from under the bed and said, "How the devil did you know I was under here?"

He—"Would you call for help if I tried to kiss you?"

Old maid—"Not unless you tried to get away."

Hear about the young man who started on a shoestring? He kept on till he got his face slapped.

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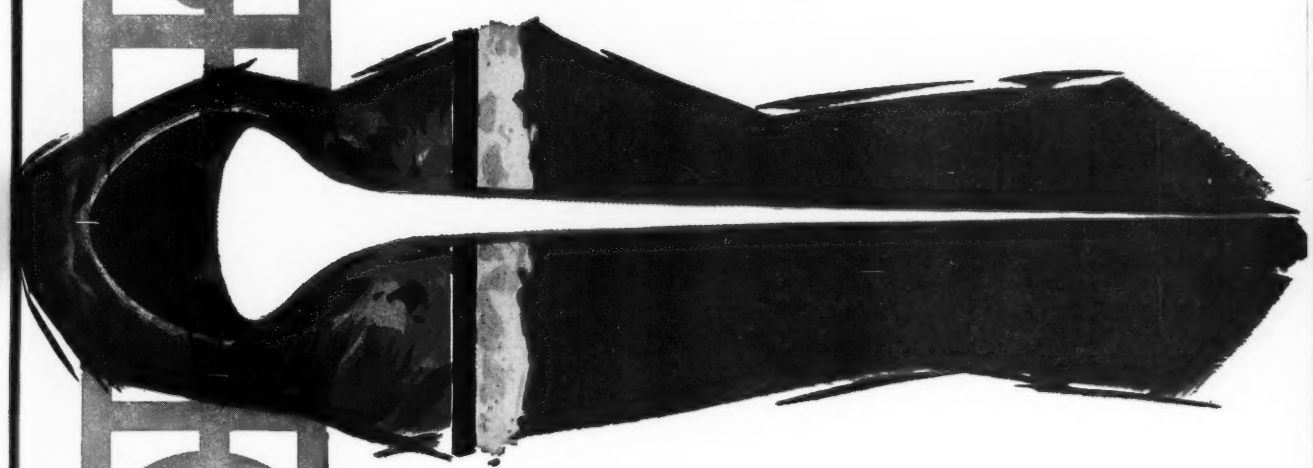

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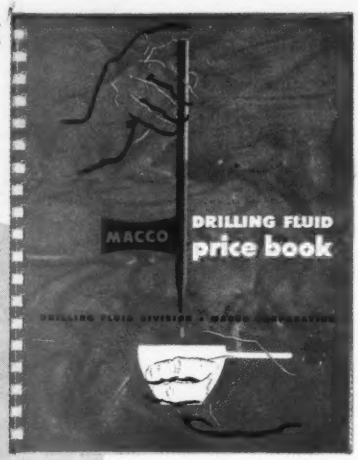

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